



GENERAL SHIVDEV SINGH DIWAN GURBACHAN SINGH
KHALSA COLLEGE PATIALA
AN AUTONOMOUS COLLEGE

Programme Outcomes

UNDERGRADUATE

- ❖ Students will be able to apply their acquired holistic knowledge for local, national, regional and global needs.
- ❖ Emerge as determined, devoted, dynamic, dedicated and disciplined individuals.
- ❖ Enhance the professional competencies and soft skills of the students.
- ❖ Acquire the specific skill sets pertaining to their subject area which will empower the students to be entrepreneurs or be employed in governmental or nongovernmental sector.
- ❖ Become responsive to the need of lifelong learning in order to adapt to the changing social patterns.
- ❖ Understand scientific, analytical, ethical and creative principles that underpin their specific subject area.

POST GRADUATE

- ❖ Students will be able to integrate the specificity of the knowledge of their subject area with their chosen organization's goods or services.
- ❖ Trained to adopt and adapt to the advancement in technologies and new trends in the disciplinary grounded avenues.
- ❖ Acquire a multidisciplinary approach to analyze and redefine the emerging challenges in order to create innovative solutions in the entrepreneurial, employability and skill sector.
- ❖ Imbibe professional and managerial expertise with highest standards of actuarial ethical conduct
- ❖ Develop critical thinking and interpersonal skills for successful professional careers.
- ❖ Become morally upright and responsive citizens focused upon finding solutions to the social issues.

MASTERS OF PHILOSOPHY

- ❖ Students will be able to develop a critical perspective to achieve original and creative ideas.
- ❖ Acquire distinctive thought patterns and concepts grounded in a theoretical framework for the advancement of their specific disciplines.
- ❖ Seamless transition to profound and extensive interdisciplinary research.
- ❖ Achieve research based analytical knowledge and expertise in research methodology.
- ❖ Acquire social awareness, concern and sensitivity engendering the pursuit of socially relevant research in order to add to the accumulated knowledge of the country and the world.

Post Graduate Department of Agriculture

M.SC. AG. HORTICULTURE (VEGETABLE SCIENCE) (2 YEAR PROGRAMME)

PROGRAMME OUTCOME (PO) I: After completing master degree course the candidate have further teaching and research studies option. They can also become agricultural scientist who can also work as consultants to business firms, private clients or to the government. The candidate can also pursue for doctorate programme.

PROGRAMME SPECIFIC OUTCOME (PSO) I: The student will learn the advance knowledge of their particular subjects and they learn about how to conduct research in agriculture field particularly to the vegetable crops.

CO 1-Production technology of cool season Vegetable crops: The Students will learn about production technology of winter season vegetable crops.

CO 2-Growth and development of vegetable crops: Students will acquire the knowledge about physiology of growth and development of vegetable crops.

CO 3-Soil fertility and fertilizer use: Students will get familiar about soil fertility and its control, and to understand the role of fertilizers and manures in supplying nutrients to plants so as to achieve high fertilizer use efficiency.

CO 4-Statistical methods for research workers: The students would be exposed to elementary mathematics that would prepare them to study their main courses that involve knowledge of Mathematics.

CO 5-Library and information services: Students will be equipped with the library users with skills to trace information from libraries efficiently, to apprise them of information and knowledge resources, to carry out literature survey, to formulate information search strategies, and to use modern tools (Internet, OPAC, search engines etc.) of information search.

CO 6-Basic concept in laboratory techniques: Students will learn about the basics of commonly used techniques in laboratory.

CO 7-Production technology of warm season vegetable crops: Students will get knowledge about production technology of summer season vegetable crops

CO 8-Breeding of vegetable crops: Students will get education about principles and practices adopted for breeding of vegetable crops.

CO 10-Analytical techniques and instrumental methods in soil and plant analysis: Students will familiarize with the commonly used instruments –their working, preparations of common analytical reagents for qualitative and quantitative analysis of both soil as well as plant samples.

CO 11-Experimental designs for research worker: Students will be exposed to concepts of statistical methods and statistical inference that would help them in understanding the importance of statistics. It would also help them in understanding the concepts involved in data presentation, analysis and interpretation.

CO 12-Technical writing and communications skills: Students/scholars will get skills to write dissertations, research papers, etc. To equip the students/scholars with skills to communicate and articulate in English (verbal as well as writing).

CO 13-Disaster management: Students will become learners to the key concepts and practices of natural disaster management; to equip them to conduct thorough assessment of hazards, and risks vulnerability; and capacity building.

PROGRAMME SPECIFIC OUTCOME (PSO) II: The student will conduct their research experiment in the field and get knowledge about the data analysis related to agriculture field, particularly vegetable crops.

CO 14-Seed production technology of vegetable crops: Students will understand about the principles and methods of quality seed and planting material production in vegetable crops.

CO 15-Systematic of vegetable crops: Students will be acquainted with morphological, cytological and taxonomy of vegetable crops.

CO 16-Production technology of under exploited and underutilized vegetable crops: Students will get first-hand information of production technology of underutilized vegetable crops.

CO 17-Management of problematic soils and waters: Students will get knowledge about basic concepts of problem soils and brackish water, and their management. Attention will be on management of problem soils and safe use of brackish water in relation to crop production.

CO 18-Intellectual property and its management in agriculture: Students will understand and interact with stakeholders for knowledge of intellectual property rights (IPR) related protection systems, their significance and use of IPR as a tool for wealth and value creation in a knowledge-based economy.

CO 19-Agricultural research, research ethics and rural development programmes: Students will enlighten about the organization and functioning of agricultural research systems at national and international levels, research ethics, and rural development programmes and policies of Government.

CO 20-Post Harvest Technology of Fruit and Vegetable Crops: Students will facilitate with deeper understanding on principles and practices of fruit and vegetable technology.

CO 21-Forcing Techniques and Organic Vegetable Production Technology: Students will be imparted with latest knowledge in growing of vegetable crops under protected environmental condition and also get information about principles, concepts and production of organic farming in vegetable crops.

M. SC. AG. (AGRONOMY) (2 YEAR PROGRAMME)

PROGRAMME OUTCOME (PO) I: After passing master degree course students have further teaching and research studies option. They can also become agricultural scientist who can also work as consultants to business firms, private clients or to the government. The candidate can also pursue for Doctorate Programme.

PROGRAMME SPECIFIC OUTCOME (PSO) I: The student will learn the advance knowledge of their particular subjects and they learn about how to conduct research in agriculture field particularly to the field crops.

CO 1-Modern concepts in crop production: Students will understand the basic concepts of soil management and crop production.

CO 2-Principles and practices of soil fertility and nutrient management: Students will get knowledge of fertilizers and manures as sources of plant nutrients and apprise about the integrated approach of plant nutrition and sustainability of soil fertility.

CO 3-Soil fertility and fertilizer use: Students will get information and knowledge about soil fertility and its control. Students will understand the role of fertilizers and manures in supplying nutrients to plants so as to achieve high fertilizer use efficiency.

CO 4-Statistical methods for research workers: The students would be exposed to elementary mathematics that would prepare them to study their main courses that involve knowledge of Mathematics.

CO 5-Library and information services: Students will be equipped with the library users with skills to trace information from libraries efficiently, to apprise them of information and knowledge resources, to carry out literature survey, to formulate information search strategies, and to use modern tools (Internet, OPAC, search engines etc.) of information search.

CO 6-Basic concept in laboratory techniques: Students will be acquainted about the basics of commonly used techniques in laboratory.

CO 7-Principles and practices weed management: Students will be familiarized about the weeds, herbicides and methods of weed control.

CO 8-Agronomy of oilseed, fiber and sugar crops: Students will get first hand information about the crop husbandry of oilseed, fiber and sugar crops.

CO 9-Agronomy of medicinal, aromatic and under Utilized crops: Students get acquainted about different medicinal, aromatic and underutilized field crops, their package of practices and processing.

CO 10-Analytical techniques and instrumental methods in soil and plant analysis: Students will be familiarized with commonly used instruments, their working, preparations of common analytical reagents for qualitative and quantitative analysis of both soil as well as plant samples.

CO 11-Experimental designs for research worker: The students would be exposed to concepts of statistical methods and statistical inference that would help them in understanding the importance of statistics. It would also help them in understanding the concepts involved in data presentation, analysis and interpretation.

CO 12-Technical writing and communications skills: Students/scholars got skills to write dissertations, research papers, etc. and students/scholars with skills to communicate and articulate in English (verbal as well as writing).

CO 13-Disaster management: Learners will get the key concepts and practices of natural disaster management; to equip them to conduct thorough assessment of hazards, and risks vulnerability; and capacity building.

PROGRAMME SPECIFIC OUTCOME (PSO) II: The student will conduct their research experiment in the field and get knowledge about the data analysis related to agriculture field.

CO 1- Agronomy of Major cereals & pulses: Students will acquaint the knowledge about major grain crops, their nutrient content and their benefits to the farmers, soil health and to the society.

CO 2-Dryland farming and water shed management: Students will understand basic concepts and practices of dry land farming and soil moisture conservation.

CO 3-Principles and practices of organic farming: Students will gain knowledge of principles and practices of organic farming for sustainable crop production.

CO 4-Management of problematic soils and waters: Students will get information about basic concepts of problem soils and brackish water and their management. Attention will be on management of problem soils and safe use of brackish water

in relation to crop production.

CO 5-Intellectual property and its management in agriculture: Students and stakeholders will be equipped with knowledge of intellectual property rights (IPR) related protection systems, their significance and use of IPR as a tool for wealth and value creation in a knowledge-based economy.

CO 6-Agricultural research, research ethics and rural development programmes: Students will be enlightened about the organization and functioning of agricultural research systems at national and international levels, research ethics, and rural development programmes and policies of Government.

CO 7-Principles and practices of water management: Students will acquaint with principles of water management and practices to enhance the water productivity.

Post Graduate Department of Agriculture

B. Sc. (Honours in Agriculture) (4 Year Programme)

Programme Outcome (PO) III: This programme will develop a wide mix of technical skills and knowledge, including land use, farming practice and food production, as well as an understanding of the scientific, ethical and business principles that underpin the agricultural industry. The student can also pursue their masters in particular subject of their interest.

Programme specific outcome (PSO) I: After completion of B. Sc. Agriculture 1st year students have basic knowledge of agriculture and their particular subjects.

CO 1- Fundamentals of Horticulture: students will learn about the principles and methods of basic fundamental horticultural techniques for the cultivation of fruit crops.

CO 2 -Fundamentals of Plant Biochemistry and Biotechnology: this course is aimed to understanding the basic concepts of plant biochemistry and biotechnology. It will improve the students understanding on applied aspects of biochemistry, classical and developmental genetics, principally plant breeding science and molecular biology. Also helping students to develop their analytical and problem-solving skills.

CO 3 - Fundamentals of Soil Science: To impart basic knowledge about soil as a natural body, pedological and ethnological concepts of soil. Soil genesis, rocks, mineral and soil formation etc. To improve the elementary knowledge of soil taxonomy classification and soils of India. To learn about soil physical, chemical and biological properties and processes in relation to plant growth etc.

CO 4 - Introduction to Forestry: this subject provides information about the tree measurements and benefits of agroforestry over traditional agriculture.

CO 5 -Punjabi Compulsory: Students will learn about literature and grammar related to Punjabi language.

CO 6 - Fundamentals of Agronomy: To study about basic knowledge of tillage, crop nutrition and irrigation methods, Weeds and its classification and management. Crop rotation and crop management techniques in problematic areas.

CO 7 -Introductory Biology: To provides introductory knowledge about living beings to students.

CO 8 -Elementary Mathematics: To study the basics of strait lines, circle, Differential and Integral Calculus.

CO 9 - Agricultural Heritage: To improve knowledge of precision farming and Indian agricultural heritage of present, past and modern era through indigenous and traditional knowledge about crop production in India and world.

CO 10 - Rural Sociology & Educational Psychology: The main objective of this course is to study the students about scientific and systematic manner of the Rural Society in order to help in the task of planning for the reconstruction of the rural social life and aware their educational psychology.

CO 11 -Human Value and Ethics: To improve the knowledge about human values and ethics, goal and mission of life, self-exploration, self-satisfaction, success and spirituality.

CO 12 - National Service Scheme- I: To study about Introduction and basic components of NSS. To learn about NSS programme and its activities.

CO 13 – National Cadet Corps-I: To study Aims, objectives and organization of NCC. To learn about nation building-cultural heritage, religions, traditions and customs of India and national integration.

CO 14 - Physical Education and Yoga Practices- I: To study about teaching of skills of different games their demonstration, practice of the skills, correction, involvement in game situation. To learn about meaning, scope and importance of Physical Education.

CO 15 - Comprehension and Communication Skills in English: To enhance the reading, writing, listening and speaking skills of students in English.

CO 16 -Fundamentals of Genetics: The course is aimed at imparting knowledge on the fundamental aspects of genetics and its applications, describing cell division and the functions of the genetic material, illustrating the molecular mechanisms of inheritance and gene regulation.

CO 17 -Agricultural Microbiology: To teach the study and importance of microbial population in agriculture.

CO 18 - Soil and Water Conservation Engineering: To study the basics of conservation techniques of soil and water.

CO 19 - Fundamentals of Crop Physiology: To study the basic metabolic activities of crop physiology such as water absorption, transpiration, photosynthesis, respiration, plant growth hormones and its importance in agriculture.

CO 20 - Fundamentals of Agricultural Economics: To study the different principles of economics and its importance in

agriculture.

CO 21 -Fundamentals of Plant Pathology: To study the different fungicidal, bacterial, viral and MLO's plant diseases. Its symptoms, control measures and significance in agriculture.

CO 22 –Fundamentals of Entomology: Understand **insect** adaptation and evolutionary processes. Learn the **basic** external morphology of **insects** and how it is used in classification. Learn the basic internal anatomy of insects, and how it is adaptive. Learn about different methods of pest control. Understand how insects adapt behaviourally and ecologically. Understand how insects affect humans medically, economically and socially.

CO 23 - Fundamentals of Agricultural Extension Education: The fundamental objective of this course is to educate the students about develop the rural people economically, socially and culturally by means of education and to provide relevant education to the students in agriculture, processing and allied sciences and different developmental programmes.

CO 24 - Punjabi Compulsory: Students will learn about literature and grammar related to Punjabi language.

CO 25 - National Service Scheme- II: To study about Introduction and basic components of NSS. To learn about NSS programme and its activities.

CO 26 – National Cadet Corps-II: To study Aims, objectives and organization of NCC. To learn about nation building- cultural heritage, religions, traditions and customs of India and national integration.

CO 27 - Physical Education and Yoga Practices- II: To study about teaching of skills of different games their demonstration, practice of the skills, correction, involvement in game situation.

B.Sc. (Honours in Agriculture), Part-II

Programme Specific Outcome (PSO): II This Programme develop a wide knowledge to handle the problems related in the Cultivation practices of different Rabi and Kharif crops, plant breeding, Farm Power machinery, Livestock management, problematic soils, Agricultural Finance and Cooperation, Agri- Informatics, Flower cultivation and Landscape gardening along with Cultivation and Post harvest handling of fruit crops.

CO 1: Crop Production Technology – I (Kharif Crops): Student will learn about intensive cropping patterns of Kharif crops and integrated farming system to increase crop production.

CO 2Fundamentals of Plant Breeding: Students will learn the methods to improve yield, quality traits, biotic-abiotic stress tolerance i.e. disease- resistance, drought and frost- tolerance and Important characteristics of the crops

CO 3: Agricultural Finance and Cooperation: Students will be able to learn the various agricultural development instruments, agriculture credit institutions, prepare and analyze the financial statements and recruitment in agricultural credit agencies and corporations.

CO 4: Agri- Informatics: Student will learn about the computer and its applications in agriculture.

CO 5: Farm Machinery and Power: Students will get information about the design, manufacture, distribution and use as well as servicing of all types of agricultural tools, equipment and machines.

CO 6: Production Technology for Vegetables and Spices: Students will be able to identify general package of practices followed for vegetables and spices under Punjab conditions.

CO 7: Environmental and Road Safety Awareness: This course aware the students about different environmental issues and Road safety measures.

CO 8: Statistical Methods: Basic statistical methods used for data analysis are studied in this subject.

CO 9: Livestock and Poultry Management: Students will study about the biological function of domestic animals and focuses on modern, efficient and humane ways to care for make the best use of the animals who share our lives.

CO 10: National Service Scheme III: Students will learn the essence of democratic and social living and upholds the need for self-less service.

CO 11: Crop Production Technology –II (Rabi Crops): Student will learn about intensive cropping patterns of Rabi crops and Integrated farming system to increase crop production.

CO 12: Production Technology for Ornamental Crops, MAP and Landscaping: Student will get information about importance, scope, production technology, Processing, Value addition of Ornamental Crops, MAPs and Landscaping.

CO 13: Renewable Energy and Green Technology: Students will get information to advance economic development, improve energy security, improve access to energy and mitigate climate change.

CO 14: Problematic Soils and their Management: Students will get practical knowledge about different kinds of problem soil in India and their laboratory test to control or improve the soil fertility.

CO 15: Production Technology for Fruit and Plantation Crops: Students will get knowledge on technical cultivation techniques and different practical issues related of fruits and plantation crops.

CO 16: Principles of Seed Technology: Students will learn technical knowledge, how to increase agriculture production

through the spread of good quality seeds of high yielding varieties.

CO 17: Farming System & Sustainable Agriculture: Students will get knowledge to develop farming systems that are productive and profitable, conserve the natural resources, protect the environment, and enhance health and safety over the long-term.

CO 18: Agricultural Marketing Trade & Prices: Students will get knowledge of agriculture marketing, different systems, price analysis and trades and Finance policy in Agriculture.

CO 19: Introductory Agro-meteorology & Climate Change: Students will get basic knowledge of climate and weather and its impact on agriculture.

CO 20: Agrochemicals: Students will learn about the role of agrochemicals to healthy growth and stable supply of agricultural produce to improved farm work efficiency.

CO 21: Agri-business Management: Students will acquire knowledge and practical skills to run an agribusiness to develop a business plan, process commodities and analyse marketing Collaborate with others.

CO 22: Micro Propagation Technique: Student will learn in vitro multiplication, regeneration of plant material under aseptic and controlled environmental conditions to produce thousands or millions of plants for transfer to the field.

CO 23: National Service Scheme IV: Students will learn the essence of democratic and social living and upholds the need for self-less service.

B. Sc. (Honours in Agriculture) Part-III

PROGRAMME SPECIFIC OUTCOME (PSO) III: After completion of this year, students will learn about different breeding techniques, diseases of different field and horticultural crops and gain basic knowledge of statistics and marketing of produce.

Course outcome

CO 1: PPD-311- Principles of Integrated Pest and Disease Management

After the successful completion of this subject, students will be able to

-) This course provides information about important plant pathogenic organisms|
-) Examples of diseases caused by them.|
-) Principle of Plant Pathology|

CO 2: SOILS-312 - Manures, Fertilizers and Soil Fertility Management

After the successful completion of this subject, student will be able to:

-) Students will learn about various organic and inorganic fertilizers|
-) Their role for increasing crop production.|

CO 3: ENT-313- Pests of Crops and Stored Grain and their Management

After the successful completion of this subject, students will be able to

-) Through this course, students will learn about identification of insect pests.|
-) Handling and storing of grains after harvest|

CO 4: PPL-314- Diseases of Field and Horticultural Crops and their Management-I

After the successful completion of this subject, students will be able to

-) This course provides information about important crop pathogenic organisms|
-) Examples of diseases caused by them.|
-) Principle of Plant Pathology|

CO 5: PBG-315- Crop Improvement-I (Kharif Crops)

After the successful completion of this subject, students will be able to

-) Main aim is to provide information about the improvement of genetic makeup of crop plants|
-) Students will acknowledge about crop yield, quality and disease resistance|
-) Learn about plant breeding techniques.|

CO6: ABM-316- Entrepreneurship Development and Business Communication

After the successful completion of this subject, students will be able to

-) Under this, students acquire knowledge regarding internal trade, exports and imports.|
-) Students will learn about price support Market production|

CO 7: GIS-317- Geo-informatics and Nano- technology and Precision Farming

After the successful completion of this subject, students will be able to

-) Students in this course will be provided with the information about Geo-informatics and Nano-technology|

-) Learn about Precision Farming|

CO 8: AGR-318- Practical Crop Production-I (Kharif Crops)

After the successful completion of this subject, students will be able to

-) The students will learn to different kharif crop production|
-) To study about their economic importance in agriculture|

CO 9: IPR-319- Intellectual Property Rights

After the successful completion of this subject, students will be able to

-) Students in this course will be provided with the information about Intellectual Property Rights|
-) Learn about importance of Intellectual Property Rights|

Any one of the following:

CO 10: AGR- 3111- Weed Management

After the completion of this subject, students will be able to:

-) Familiarize about recent concept of crop production|
-) Understand with different management practices.|

CO 11: FCL- 3112- Landscaping

After the successful completion of this subject, student will be able to:

-) The students will learn about various methods of Landscaping|
-) Its importance in agriculture.|

CO 12: PCV-3113- Protected Cultivation

After the successful completion of this subject, students will be able to

-) In this course, students will be taught about cultivation of agriculture crops|
-) Cultivation of fruit trees in the controlled environment|
-) Harvesting and processing of Fruits|

CO 13: SSA-3114- System Simulation and Agro advisory

After the successful completion of this subject, students will be able to

-) Acquaint with the Crop models, concepts & techniques.|
-) Develop the ability to identify and relate the crop responses to crop models, weather elements and role of Agro advisory, weather elements, potential and achievable crop production- concept and modelling|

CO 14: AGR-321- Rainfed Agriculture and Watershed Management

After the successful completion of this subject, student will be able to:

-) The students will learn about various methods of Watershed Management|
-) Its importance in water conservation.|

CO 15: HORT-322- Protected Cultivation and Secondary Agriculture

After the successful completion of this subject, students will be able to

-) In this course, students will be taught about cultivation of agriculture crops|
-) Secondary Agriculture|

CO 16: PPL-323- Diseases of Field and Horticultural Crops and their Management-II

After the successful completion of this subject, students will be able to

-) This course provides information about important plant pathogenic organisms|
-) Examples of diseases caused by them.|
-) Principle of Plant Pathology|

CO 17: PHM-324- Post-harvest Management and Value Addition of Fruits and Vegetables: After the successful completion of this subject, student will be able to:

-) This subject encompasses about the production and consumption of different fruit and vegetable crops.|
-) Post-harvest handling|
-) Value addition of foods|

CO 18: ENT-325- Management of Beneficial Insects

After the successful completion of this subject, students will be able to

-) Through this course, students will learn about identification of beneficial insect.|
-) Handling and storing of harvest produced|

CO 19: PBG-326- Crop Improvement-II (Rabi Crops)

After the successful completion of this subject, students will be able to

-) Main aim is to provide information about the improvement of genetic makeup of crop plants|
-) Students will acknowledge about crop yield, quality and disease resistance|
-) Learn about plant breeding techniques.|

CO 20: AGR-327- Practical Crop Production –II (Rabi Crops)

After the successful completion of this subject, students will be able to

-) The students will learn to different rabi crop production|
-) To study about their economic importance in agriculture|

CO 21: AEC-328- Farm Management, Production & Resource Economics

After the successful completion of this subject, students will be able to

-) This course provides information about management of farms|
-) Marketing of Agri produce|
-) Agri-finance and govt. schemes for Agri. and allied activities.|

CO 22: FST-329- Principles of Food Science and Nutrition

After the successful completion of this subject, student will be able to:

This subject encompasses about the production and consumption|

-) Post harvest handling|
-) Value addition of foods.|

Any one of the following:

CO 23: BPF-3221- Bio pesticides & Bio-fertilizers

After the successful completion of this subject, students will be able to

-) Under this course, students will learn about Biopesticides & Biofertilizers and Identification of entomopathogenic entities in field condition.|
-) Quality control of bio pesticides.|

CO 24: FSS- 3222- Food Safety and Standards

After the successful completion of this subject, students will be able to

-) Under this course, students will learn about food safety|
-) Processing of food|
-) Marketing of food and Dairy Products|

CO 25: HTH-3223- Hi-tech. Horticulture

After the successful completion of this subject, students will be able to

-) In this course, students will be taught about Hi-tech. Horticulture.|
-) Controlled environment|
-) Cultivation of horticultural crops under hi- tech|

CO 26: ACJ-3224- Agricultural Journalism

After the successful completion of this subject, students will be able to

-) In this course, students will be taught about Agricultural Journalism.|
-) Study the nature and scope of agricultural journalism characteristics|
-) Develop ability to recognize and utilize the different agricultural and training.|

B.Sc. (Honours in Agriculture) - IV

Programme Specific Outcome (PSO) IV: After completion of this year, students will learn about farmers interaction skills with rural work experience programme. Students has also learnt about industrial basics with Agro- Industrial Attachment Programme. After Completion of B. Sc. Agriculture 4th year students have enough knowledge about use of new techniques for agriculture production, its marketing and to deal with farmers.

CO 1: RAWE 401 Component-I Village Attachment Training Programme: To interact with farmers to listen their problems, to know these problems in detail and find their suitable solution.

CO 2: RAWE 402 Component –II Plant Clinic: To learn about identification and management of insect pests and diseases.

CO 3: RAWE 403 Component –III Agro Industrial Attachment: To teach students about marketing and how to deal with customers.

CO 4: MOD-421 - Production Technology for Bioagents and Biofertilizers: To impart hands on training on the skills associated with identification, isolation and production and bioagents and biofertilizers in the laboratory and subsequent application in the farmer's field.

CO 5: MOD-422 -Seed Production and Technology:

- To give students a greater understanding about various aspects of seed science and technology including seeds of genetically modified crops.
- To develop awareness among the students on seed laws and regulations.
- To train the students in research on seed production, certification, testing, drying, processing, storage, marketing
- To strengthen human resources in the seed production technology of field crops and vegetables

CO 6:MOD-423- Mushroom Cultivation Technology: To make the students learn about basics of mushroom cultivation.

CO 7: MOD-424- Soil, Plant, Water and Seed Testing: To impart practical knowledge about principles and practices of Soil, Plant, Water and Seed Testing.

CO 8: MOD-425- Commercial Beekeeping: Inclination for taking up Beekeeping as a self-employment activity.

CO 9: MOD-426- Poultry Production Technology:

- To see and practice the paths that lead to the success of any entrepreneurship on live animals and birds.
- To develop the knowledge of poultry in an operational farm for more profit management, feed requirements, etc.
- To make the participants/ professionals well versed in their practical skills starting from hatching of chicks to the egg production stage.

CO 10: MOD-427- Commercial Horticulture: The subject will help in gaining hands on experience of plant propagation methods especially of fruit crops, raising of horticultural crops through nursery to sale both in open as well as protected conditions and post-harvest management of horticultural plants.

CO 11: MOD-428- Floriculture and Landscaping: To impart knowledge to students on the importance of gardening, impart knowledge on different types and styles of garden and diversity of ornamental flowers and impart theoretical and practical knowledge on layout of different types of gardens and their maintenance.

CO 12: MOD-429- Food Processing: The subject will help to learn about the food processing machinery/equipment's and establishment of processing unit for preparation of different food products.

CO 13: MOD-430- Agriculture Waste Management: To impart practical knowledge about principles and practices of agriculture and waste management. **CO 14: MOD-431- Organic Production Technology:** To impart theoretical and practical knowledge about principles and practices of organic production technology.

CO 15: MOD-432- Commercial Sericulture: To familiarize the students with beneficial insect honeybee and hive products.

B. Voc. Agriculture Programme outcome

This course is concentrated on making the students "ready to work" for different Agriculture industries for enhancing their employability. This course combines vocational and management concepts. Agriculture is a contemporary exercise that develops efficiency and improves promotion of the Agri-products. This course is based on developing set of methods and techniques which can be used to changing the cost of cultivation as well as sustainable agriculture. The course has essentially been designed for students wishing to enhance their employability. This course facilitates such students in learning, earning and growing professionally.

After completing Bachelor of Vocation program in Agriculture, a student will be able to:

PO 1: Demonstrate the competencies for employability or to pursue higher education in fields of Agriculture Science and allied sector.

PO 2: Apply technical and professional skills to find effective solutions by identifying, analyzing and formulating the real world problems in agriculture.

PO 3: Become entrepreneurs by starting their own startup and make a meaningful participation in accelerating India's economy.

PO 4: Possess effective presentation and communication skills within the Professional, Social as well as Personal domain.

PO 5. Explain and apply the various tools and techniques for developing efficient expertise in innovative, trendy and interesting disciplines of choice.

Programme Specific Outcomes (PSOs)

PSO1: After Completion of B. Voc. (Agriculture) students have basic knowledge of agriculture and their particular subjects.

PSO2: Course provides wide range of knowledge on various aspects of different spheres of the agriculture.

PSO3: Course provides knowledge on concepts, tools and modern techniques and instruments for analysis of various components of agriculture and their management. Also enable to tackle various agricultural challenges in an eco-friendly

and sustainable manner and educate students ii on Natural Resource Management for Sustainable Development

Course Outcomes Semester I & II

BVG-025: Basics of Agriculture- I

CO-1: Student will learn about basic knowledge of agriculture and integrated farming system to increase crop production.

CO-2 Understand the principles and management of soil reclamation.

BVG-114: Water Management and Micro Irrigation

CO-1 Student will learn about the knowledge of water management.

CO-2 Student understands the water use efficiency of field crops.

BVG-115: Designing and Layout of Micro Irrigation System.

CO-1 Student will learn about the knowledge of Designing and Layout of Micro Irrigation System.

CO-2 Understands the plant water relation and scheduling of irrigation.

BVG-116: Practical Pertaining Water Management and Micro Irrigation.

CO-1 To identify and analyze the characteristics of soil, climate, land gradient and crop before installing micro irrigation system.

CO-2 To understand follow various maintenance guidelines prescribed for given micro irrigation system

BVG-117: Practical Pertaining to Designing and Layout of Micro Irrigation System

Co-1 Student will learn about the identification, select use the appropriate tools for installation of micro irrigation system

CO-2 To understand the Pertaining to Designing and Layout of Micro Irrigation System

BVG-026: Basic of Agriculture-II

Co-1 Student will learn about the knowledge of seed production and seed certification.

CO-2 To understand the basic concept of seed organization.

BVG-124: Seed Analysis Incharge-I

CO-1 Student will learn about the knowledge of seed analysis like germination, purity test

CO-2 To understand the basic knowledge of seed purity maintenances and filed standards.

BVG-125: Seed Analysis Incharge-II

Co-1 Student will learn about the knowledge of seed sampling and seed processing

CO-2 To understand the basic knowledge of seed marketing parameters

BVG-126 : Practical pertaining to Seed Analysis Incharge-I

CO-1 Student will learn about the knowledge of seed analysis report of different crop as per certified standard.

CO-2 To understand the basic knowledge of minimum seed certification standard for germination percentage.

BVG-127 : Practical pertaining to Seed Analysis Incharge-II

CO-1 Student will learn about the knowledge of maintenance of records of all seeds sampled, analyzed and equipments used

CO-2 Student will learn about the conduct workspace checklist audits and maintain records of raw material, packing material, process and finished products.

Semester III & IV BVG-006 : Personality Development

CO-1 Student will learn about the knowledge of principle of communication, process of communication of personality development

CO-2 Student will learn about the leadership skills, motivation and personality development

BVG-027 Basics of Agriculture- III

CO-1 Student will learn about the knowledge of farm structure and sustainable agriculture.

CO-2 Student understands package and practices of field crops.

BVG-214 Farm Workshop – I

CO-1 Student will learn about the knowledge of farm workshop planning

CO-2 Student understands farm machinery equipments and their management.

BVG-215 Farm Workshop – II

CO-1 Student will learn about the knowledge of farm management and financial analysis and farm operation.

CO-2 Student understands identification of major functional components.

BVG-216: Practical pertaining to Farm Workshop – I

CO-1 Student will learn about the knowledge of Identification of major systems of a tractor and general guidelines on preliminary check measures.

CO-2 Student understands crop production polices, crop insurance and natural resources use.

BVG-217: Practical pertaining to Farm Workshop – II

CO-1 Student understands farm planning, farm budgeting and estimation of credits.

CO-2 Student will learn about the knowledge of repair, maintenance and off-season storage of farm equipment.

BVG-008: Environmental and Road Safety Awareness

CO-1 Student will learn about the knowledge of natural resources eco system.

CO-2 Student understands biological diversity conservations.

BVG-222: Disaster Management

CO-1 Student will learn about the knowledge of disaster management. CO-2 Student will learn about the knowledge of climate change.

BVG-028: Basics of Agriculture – IV

CO-1 Student understands basic agriculture practices like primary, secondary tillage.

CO-2 Student will learn about the knowledge of implements for intercultural operations of farm power machinery.

BVG-224: Farm Wokshop– III

CO-1 Student will learn about the knowledge of calculation of field capacities and field efficiency.

CO-2 Student understands farm grain storage management.

BVG-225: Farm Wokshop– IV

CO-1 Student understands integration of risk management practices.

CO-2 Student will learn about the knowledge of farm risk management.

BVG-226: Practical pertaining to Farm Wokshop – III

CO-1 Student will learn about the knowledge of design for grain storage, go-down, and bag storage structure, shallow and deep bins.

CO-2 Student understands various types of manures, fertilizers and herbicides.

BVG-227: Practical pertaining to Farm Wokshop – IV

CO-1 Student understands risk management practices on farm.

CO-2 Student will learn about the knowledge of manage the consequence of risk against the farm organization.

Semester V & VI BVG-313: Basic of Agro-Meteorology

CO-1 Student will learn about the knowledge of basic agro-metrological facts.

CO-2 Student understands elements and factors of weather and climate, climate classification.

BVG-314: Climate Change & Risk Mitigation Manager-I

CO-1 Student understands climate change & risk mitigation.

CO-2 Student will learn about the knowledge of content establishment for assessment of climate.

BVG-315: Climate Change & Risk Mitigation Manager-II

CO-1 Student will learn about the knowledge of climate variability and climate change risk management.

CO-2 Student understands communication consultation and adaptation measure.

BVG-316: Practical pertaining to Climate Change & Risk Mitigation Manager-I

CO-1 Student understands basic knowledge of agro meteorological observatory.

CO-2 Student will learn about the knowledge of measurement of temperature, rainfall, evaporation, atmospheric pressure, sunshine duration, solar radiation, wind direction, wind speed and relative humidity.

BVG-317: Practical pertaining to Climate Change & Risk Mitigation Manager-II

CO-1 Student will learn about the knowledge of risk management operation on the basis of other risk management task.

CO-2 Student understands weather forecasting and synoptic charts.

B.Sc. HONOURS BIOTECHNOLOGY

Program Outcome: Biotechnology teaches about biological sciences with engineering technologies that manipulate living organisms and biological systems to produce products that advance healthcare, medicine, agriculture, food, pharmaceuticals and environment control.

Students after completing graduation in biotechnology can opt for various governments, industrial and research sectors. Students can enroll for higher education program like M.Sc., MBA, and even M.Sc. & PhD integrated programs in different areas of Life Sciences. After clearing higher education students can opt for research field in the area of biotechnology. Moreover students after graduation can get opportunity in various government sectors like IAS, UPSC, and SSC. Students can opt for various other sectors like food corporations, forensic sciences, toxicology, medicine, healthcare and environmental sciences. Moreover students can apply for posts of quality analyst in various industrial sectors like food and pharmaceuticals to check quality parameters of raw materials and finished products.

Graduate Attributes/Program Outcomes (PO)

Program Outcomes	Short Title of the PO	Description of the Program Outcomes Graduates will be able to;
PO 1	Problem Analysis and U of Technology	Think critically, identify, analyze problems/ situations and further attempt design/ develop solutions that meet the specified goals. Apply appropriate IT efficiently in their daily activities of communication and academics.

PO 2	Environmental sustainability and Ethics	Analyze and attempt solutions to environmental issues and commit themselves to sustainable development in the local/ national and global context. Recognize and understand professional ethics /human values and be responsible for the same.
PO 3	Individual and Team work, communication and life skills	Function effectively at various levels, capacities and situations. Communicate proficiently (oral and written) as a responsible member of society.
PO 4	Research Aptitude and Social responsibility	Understand general research methods and be able to analyze, interpret and draw rational conclusions. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of doing specific change.
PO 5	Critical thinking, Analytical and Problem Solving	Demonstrate proficiency in quantitative reasoning (critical thinking) and analytical skills. Also, be able to use these skills to analyze and solve independent related problems, thus preparing them for a successful career in industry or research institutes
PO 6	Understanding the need for sustainable solutions	Be able to understand the need and impact of biotechnological solutions in the environment and societal context, keeping in view the need for sustainable solutions.
PO 7	Development of practical skills	Equipped with practical skills and the ability to apply their theoretical concepts to design, perform experiments, analyze and interpret data and thus develop proficiency in laboratory management.
PO 8	Developing an inclination towards research	Develop an inclination towards research through the compulsory internship in industry/research/academic institutes which promote and inculcate professional ethics and code of practice among students, enabling them to work in a team and a multidisciplinary approach.

Program Specific Outcome I: After completion of **B.Sc. Honours Biotechnology 1st year**, students will get the level knowledge about biological concepts, relationships between organisms, and various cell types including microorganisms, their structure, functions and their interactions with each other and to the environment.

BHBT 101: BASIC BIOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Define basic biological concepts and processes.
- CO 2 Describe levels of organization and related functions in plants and animals.
- CO 3 Identify the characteristics and basic needs of living organisms.
- CO 4 Explain the processes of growth and development in individuals and populations.
- CO 5 Describe the relationships between organisms and their environment.

BHBT 102: GENERAL MICROBIOLOGY I

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe cellular, biochemical, and physiological aspects of microorganisms and recognize the similarities and differences between microbial groups (bacteria, archaea, fungi, protozoa, viruses, viroids, and prions).
- CO 2 Explain cellular and biochemical processes involved in pathogenesis (human-pathogen interactions).
- CO 3 Identify microorganisms and their role in various environments.
- CO 4 Describe the cultural use of microorganisms in food production, medicine, fuel production, and waste treatment.
- CO 5 Apply microbiology techniques (cell culture, chemical and molecular based methods) to solve scientific problems.

BHBT 106: ENVIRONMENTAL STUDIES AND ROAD SAFETY AWARENESS

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe plant and animal distribution patterns in relation to abiotic and biotic factors.
- CO 2 Define the essential characteristics underlying natural ecosystems.
- CO 3 Explain model population and community-level dynamics.

- CO 4 Interpret and present ecological results.
- CO 5 Identify global environmental problems.

BHBT 201: CELL BIOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe cytological, biochemical, physiological and genetic aspects of the cell, including cellular processes common to all cells, to all eukaryotic cells as well as processes in certain specialized cells.
- CO 2 Relate normal cellular structures to their functions.
- CO 3 Explain cellular processes and mechanisms that lead to physiological functions as well as examples of pathological state.
- CO 4 Apply modern cellular techniques to solve aspects of scientific problems.
- CO 5 Describe the intricate relationship between various cellular structures and their corresponding functions.

BHBT 202: GENERAL MICROBIOLOGY II

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe how microorganisms are used as model systems to study basic biology, genetics, metabolism and ecology.
- CO 2 Identify ways microorganisms play an integral role in disease, and microbial and immunological methodologies are used in disease treatment and prevention.
- CO 3 Explain why microorganisms are ubiquitous in nature; inhabiting a multitude of habitats and occupying a wide range of ecological habitats.
- CO 4 Cite examples of the vital role of microorganisms in biotechnology, fermentation, medicine, and other industries important to human well being.
- CO 5 Demonstrate that microorganisms have an indispensable role in the environment, including elemental cycles, biodegradation, etc.

GN-201: DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Identify the psychotherapeutic benefits (if any) and harmful effects of common substances of abuse, while identifying the populations most at risk of using these substances.
- CO 2 Apply the current public health perspectives to evaluate the topic of substance abuse prevention.
- CO 3 Compare and Contrast reliable public data sources to find statistical and epidemiologic data on incidence, prevalence, and trends in drug, tobacco and alcohol use.

Program specific outcome II: After completion of **B.Sc. Honours Biotechnology 2nd year**, students get aware of tools and techniques for estimation of biomolecules with their genetical and biochemical characteristics. More students get insight into various diseases of human body and methods of their prevention and treatment. Students will know about different theories and approaches to bioethics and its associated conflicts with GMO. They will know how human cloning is surrounded by different bioethical issues. This subject will make students familiar with biostatistical concepts that will help in experimental set up and result interpretations. Be able to list the typical characteristics that make an organism ideal for the study of developmental biology

BHBT301: GENETICS AND MOLECULAR BIOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Apply quantitative problem-solving skills to genetics problems and issues.
- CO 2 Demonstrate their ability to reason both inductively and deductively with experimental information and data.
- CO 3 Describe the chromosome theory, molecular genetics and quantitative and evolutionary genetics.
- CO 4 Select and apply experimental procedures to solve genetic problems.

BHBT302: BIOCHEMISTRY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Understanding of Biochemistry as a discipline and milestone discoveries in life sciences that led to establishment of Biochemistry as separate discipline.
- CO 2 Fundamental properties of elements, their role in formation of biomolecules and in chemical reactions within living organisms.
- CO 3 Understanding of the concepts of mole, mole fraction, molarity, etc. and to apply them in preparations of solutions of desired strengths.
- CO 4 Unique property of water as a universal solvent and its importance in biological system.
- CO 5 Understanding of fundamentals of physical phenomena associated with Adsorption, Viscosity, Distribution law, Osmotic pressure, etc. and their importance in living organisms.
- CO 6 Understanding of concepts of acids, bases, indicators, pKa values, etc. Acquiring skill to determine pKa value of amino acids.

BHBT303: IMMUNOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Identify major components of the immune system at organ, cellular and molecular levels.
- CO 2 Discuss normal functions of these components during immune responses.
- CO 3 Elucidate the relationship between major cellular and molecular components of the immune system.
- CO 4 Explain adverse functions of these cellular and molecular components during abnormal circumstances.
- CO 5 Describe mechanisms of diseases associated with adverse functions of the immune system.
- CO 6 Apply immunologic techniques to solve certain clinical and research problems.

BHBT 304 A: MOLECULAR DIAGNOSTIC

Course Outcome:

Students who successfully complete this course will be able to:

- CO1: Have clarity about the molecular diagnostic aspects, its significance and goal.
- CO2: Develop understanding on various techniques used in the clinical diagnostic laboratory for the diagnosis of various pathogenic situations.
- CO3: Students will get an idea about the Quality assurance that needs to be followed in the molecular diagnostic lab.
- CO4: Understanding about the use of automation in diagnostic processes.

BHBT 305 A: BIOETHICS & BIOSAFETY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Interpret basics of biosafety and bioethics and its impact on all the biological sciences and the quality of human life
- CO 2 Recognize importance of biosafety practices and guidelines in research
- CO 3 Comprehend benefits of GM technology and related issues
- CO 4 Recognize importance of protection of new knowledge and innovations and its role in business.

BHBT 305 B: BIOSTATISTICS

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Recognize the definition of statistics, its subject and its relation with the other sciences.
- CO 2 Restate the principal concepts about biostatistics.
- CO 3 Collect data relating to variable/variables which will be examined and calculate descriptive statistics from these data.
- CO 4 Identify data relating to variable/variables.
- CO 5 Identify convenient sample by using sampling theory.

BHBT401: RECOMBINANT DNA TECHNOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe biocatalysis, pathway engineering, bioprocess control and downstream processing.
- CO 2 Demonstrate their ability to reason both inductively and deductively with experimental information and data.
- CO 3 Explain the theory and practice of recombinant DNA technology.
- CO 4 Select and apply experimental procedures to the spectrum of fields making use of biotechnology.

BHBT402: BIOPHYSICS & BIOANALYTICAL TECHNIQUES

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Explain the basic concepts and principles of physics and their applications to biological systems.
- CO 2 Apply problem-solving skills to practical problems within the life sciences.
- CO 3 Choose appropriate biophysical methods to characterize biological systems and appreciate their limitations.
- CO 4 Analyze complex issues in biophysics using modeling.
- CO 5 Use a variety of simulation programs, featuring data analysis and display, to derive conclusions about experimental situations.
- CO 6 Critically evaluate scientific and medical literature.
- CO 7 Organize and express ideas clearly and convincingly in oral and written forms.

BHBT403: DEVELOPMENTAL BIOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Outline and compare the developmental stages which occur in a variety of animal phyla.
- CO 2 Explain the mechanisms which lead to cell determination.
- CO 3 Describe the evolutionary conservation of developmental mechanisms.
- CO 4 Generate a hypothesis from a set of observations and then design experiments to test the hypothesis.

BHBT 404 A: GENERAL MATHEMATICS AND STATISTICS

Course Outcomes (C.O.): After completion of this course, the students will be able to

- 1. understand the topics straight line and trigonometric functions.
- 2. Evaluate problems related to measures of central tendency and dispersion.
- 3. Analyse basic concepts related to logarithmic and exponential functions.
- 4. Apply the concepts of correlation and regression to numerical examples.

BHBT 405 A: IPR AND ENTREPRENEURSHIP

Course Outcome

On completion of this unit of study, students should be able to:

- CO 1 Apply intellectual property law principles (including copyright, patents, designs and trademarks) to real problems and analyze the social impact of intellectual property law and policy
- CO 2 Work in teams, solve problems and manage time
- CO 3 Analyze ethical and professional issues which arise in the intellectual property law context
- CO 4 Write reports on project work and critical reflect on your own learning.

BHBT 405 B: MEDICAL MICROBIOLOGY

Course Outcome

On completion of this unit of study, students should be able to:

- CO 1 Understand mechanisms of infectious disease transmission, principles of aseptic practice, and the role of the human body's normal microflora.
- CO 2 Understand conceptual basis for understanding pathogenic microorganisms and the mechanisms by which they cause disease in the human body.
- CO 3 Understand opportunities to develop informatics and diagnostic skills, including the use and interpretation of laboratory tests in the diagnosis of infectious diseases.
- CO 4 Understand the importance of pathogenic bacteria in human disease with respect to infections of the respiratory tract, gastrointestinal tract, urinary tract, skin and soft tissue.
- CO 5 Understand the use of lab animals in medical field.

Program specific outcome III: After completion of **B.Sc. Honours Biotechnology 3rd year**, students will have fundamental knowledge about mechanism of production of useful industrial products using microorganism, plants and animals. Students will be aware of environmental issues and their possible remedies using ecofriendly methods. Students will learn to store and retrieve biological information on various databases to use in research.

BHBT 501: ENVIRONMENTAL BIOTECHNOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Understand various water testing parameters including TS, TDS, TSS, alkalinity, pH etc.
- CO 2 Understand oxygen demand indicating level of pollution in wastewater including chemical oxygen demand (COD) and biochemical oxygen demand (BOD).
- CO 3 Find heavy metals like nickel and chromium in water indicating water pollution.
- CO 4 Understand bioremediation strategies for degradation of heavy metals and dyes in textile effluent.
- CO 5 Understand concept of vermicomposting and biogas production.

BHBT 502: BIOPROCESS ENGINEERING

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Model and analyze simple bioreactor systems, including chemostats and enzyme batch reactors, using first principles models.
- CO 2 Analyze metabolic pathway models for application to chemostat reaction systems.
- CO 3 Design procedures from expression of foreign genes in E. coli using principles of cellular chemistry.
- CO 4 Develop a historical exposition of biotechnology.
- CO 5 Analyze batch bioreactor data.
- CO 6 Evaluate separations systems for cell separation and purification of intracellular and secreted compounds from bacterial and animal cell cultures.

BHBT 503 A: BIOINFORMATICS

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe the flow and regulation of biological information.
- CO 2 Describe the techniques used to collect sequence and expression data.
- CO 3 Identify appropriate biological databases for specific analyses.
- CO 4 Manipulate on-line resources appropriately.
- CO 5 Analyze gene expression and interpret its significance.
- CO 6 Manage bioinformatics tools.
- CO 7 Apply appropriate statistical methods to determine sequence similarities.

BHBT 503 B: ENZYMOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 define enzyme structure
- CO 2 define differences between enzymes and normal catalytic substances
- CO 3 recognize the catalytic substances explain chemical structure of enzymes
- CO 4 recognize the enzymes chemical structure
- CO 5 explain cofactor and coenzymes chemical structure
- CO 6 recognize chemical structures of biological cofactor and coenzymes.

BHBT 504 WASTE MANAGEMENT

COURSE OUTCOMES: At the end of the course, the student will be able to:

- CO1 Plan logistics for waste collection and disposal
- CO2 Formulate strategies for segregation of waste and waste reduction
- CO3 Plan appropriate recycle facility for heterogeneous wastes
- CO4 Plan and design waste collection systems
- CO5 Handling of hazardous waste.

BHBT 601: TISSUE CULTURE TECHNOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Grow, maintain, and propagate specific plant and animal cell types in a sterile environment.
- CO 2 Handle, store and identify cells in culture.
- CO 3 Count, identify and assess viability of cells by microscopic examination.

- CO 4 Identify the problems associated with growing, storing and identifying a wide range of different cell types.
CO 5 Describe how cell culture can be used for in vitro studies and commercial applications.

BHBT 602: MICROBIAL TECHNOLOGY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Isolate microorganisms from food, water and soil samples.
CO 2 Understand microbial production of various metabolites.
CO 3 Find pathogenic microorganisms from various samples including food water and soil.
CO 4 Find kinetic characterization of various enzymes and their immobilization for further use.
CO 5 Understand basic principle of fermentation and fermentative products.

BHBT 603 A: INDUSTRIAL FERMENTATION

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Fermenter design, different types of fermentations and the current trend of fermentation process in biotech-industry.
CO 2 Evaluate factors that contribute in enhancement of cell and product formation during fermentation process.
CO 3 Analyze kinetics of cell and product formation in batch, continuous and fed-batch cultures.
CO 4 Understand fermentative production of various products including ethanol, vinegar, wine, single cell proteins and amino acids.

BHBT 603 B: ANIMAL DIVERSITY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Provides students with an in-depth knowledge of the diversity in form, structure and habits of invertebrates.
CO 2 Learn basics of systematics and understand hierarchy of different categories.
CO 3 Learn diagnostic characteristics of different phyla through brief studies of examples.
CO 4 Obtain overview of economically important invertebrates.
CO 5 Classify all the invertebrate phyla up to class.

BHBT 603 C: PLANT DIVERSITY

Course Outcome

Students who successfully complete this course will be able to:

- CO 1 Describe the biological basis of plant classification.
CO 2 Recognize the major plant families of North America by sight.
CO 3 Recognize ecologically and economically important California plant species by sight.
CO 4 Identify unknown plant species using dichotomous keys.
CO 5 EmPOy diverse taxonomic resources for plant identification, including electronic and print media, reference materials, and herbarium collections.
CO 6 Discuss current questions in plant evolution and classification.

BHBT 604: FOOD BIOTECHNOLOGY

Course Learning Outcomes:

Students who successfully complete this course will be able to:

- CO 1 Analyze the principles and techniques of biotechnology as applied to the production and processing of various types of food products.
CO 2 Evaluate the impact of biotechnology on food production, human health, and the environment.
CO 3 Demonstrate the ability to design and execute experiments related to biotech-derived foods, and analyze and interpret data using appropriate statistical methods.
CO 4 Develop critical thinking and communication skills by presenting and defending scientific arguments related to the use of biotechnology in food production.
CO 5 Apply knowledge of biotechnology to real-world situations by developing innovative solutions to challenges faced by the food industry.

Program Outcomes (PO)

Bachelor of Science (B.Sc.) offers theoretical as well as practical knowledge about different subject areas viz. Botany, Zoology and Chemistry. This programme course is most beneficial for students who have a strong interest and background in Science. The course forms the basis of science and comprises of the subjects like chemistry, botany and zoology. It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace. To further hone their skills students can go for higher studies i.e. M.Sc and then do some research for the welfare of mankind. Students can join as scientist. Apart from the research jobs, students can also work or get jobs in other technical fields like pharmaceutical, medical, school or college laboratories. Science graduates are also recruited in the bank sector to work as customer service executives. Students can also find employment in government sectors.

Program Specific outcome (PSO)

- B.Sc. Medical student is able to acquire knowledge regarding Botany, Zoology and Chemistry.
- Students will be able to define and explain major concepts in the biological sciences.
- They are able to correctly use biological instrumentation and proper laboratory techniques.
- Students will be able to communicate biological knowledge in oral and written form.
- Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular, and organism level.
- They can go for Indian Forest Services and other competitive examinations.
- They can opt for higher studies in Botany, Zoology, Chemistry, Biotechnology, Microbiology and food technology, Human genetics, Environment sciences, Forensic, Biochemistry and Fisheries.

Course Specific Outcome

CO1: Paper-I: Diversity of Microbes

To study and impart knowledge about the general Characteristics, structure, reproduction, life history and economic importance of Fungi. Students will learn about the general features of Lichens, Viruses and Bacteria and general account about mycoplasma, mycorrhiza and cyanobacteria

CO2: Paper-II: Diversity of Cryptogams
To discuss about the importance of morphology, diversity, structure, classification, reproduction, lifecycle pattern and economic importance of Algae. To understand the morphological diversity, taxonomic position, occurrence, thallus structure, reproduction and economic importance of Bryophytes and Pteridophytes. Students will learn about the vegetative and reproductive characteristics of the plant genera.

CO 3: Paper III: Cell Biology

To gain knowledge about "Cell Science" and understand Cell wall, Plasma membrane, Cell organelles and cell division. To know the details of Microscopy- Principles of light microscopy, electron microscopy (TEM and SEM) and to understand the process of membrane transport and membrane models.

CO 4: Paper IV: Genetics and Evolution

To study the phenomenon of dominance, laws of segregation, independent assortment of genes and to understand the biochemical nature of nucleic acids, their role in living systems, experimental evidences to prove DNA as a genetic material, the process of synthesis of proteins and role of genetic code in polypeptide formation. Students will learn about the different types of genetic interaction including Mendelian and Neomendelian genetics.

CO 5: Paper-V: Diversity and Systematics of Gymnosperms

Students will learn about the morphological diversity, vegetative and reproductive characteristics, economic importance and evolution of Gymnosperms. To make students understand the evolutionary trends and affinities of living gymnosperms with respect to external and internal features. To understand the plant morphology and basic taxonomy and the scope of Paleobotany, types of fossils, its role in global economy and geological time scale. Students will learn about various fossil gymnosperm genera representing different fossil groups.

CO 6: Paper-VI: Diversity and Systematics of Angiosperms

To understand the Phylogeny of angiosperms -A general account of the origin, general range of variations, the characters of biologically important families of Angiosperms. To make students understand the floral variations in Angiospermic families, their phylogeny and evolution; and to understand major evolutionary trends in various parts of Angiospermic plants. Students will know about the different tools in the taxonomy so as to relocate the phylogenetic position of plant or taxa.

CO 7: Paper VII: Plant Anatomy

To study the internal structure and functions of reproductive organs in plants. To understand the scope & importance and basic aspects of Anatomy of plant tissues such as meristems, epidermis, permanent tissues,

vascular tissues, complex tissue systems, root system, shoot system, normal and anomalous secondary growth in plants and their causes. Students will be benefitted by studying the plant anatomy enables to identify fragmentary plant materials, wood and applied aspects of meristem cultures and anatomy of Leaf

CO 8: Paper VIII: Development and Reproduction in Flowering Plants

To restate the conditions necessary for vegetative reproduction in plants, to study the structure development of flower, inflorescence, anther and pistil. To gain insights into male and female gametophytes and post fertilization changes in plants.

CO 9: Paper-IX: Plant Physiology

To learn and understand about plant water relations, mineral nutrition, transport of organic substances, enzymology and physiological processes in plants. To understand the phenomenon of Photosynthesis, respiration, nitrogen and lipid metabolism in plants and to know importance and scope of plant physiology.

CO 10: Paper-X: Plant Growth, Development and Biotechnology

To understand the fundamentals of seed biology, physiology of growth hormones, photo morphogenesis and recombinant DNA Technology. To understand the principle, lab requirements and basic protocols for Plant Tissue Culture. Students will learn about the basic concept, technical skills, hands-on experience and training in plant tissue culture, molecular biology and role of plant biotechnology in human welfare

CO 11: Paper XI: Plant Ecology

Students will understand the basic concepts of general ecology, population and community ecology, ecosystem structure and function. They will understand the importance of various environmental issues, threats to biodiversity and its conservation. Basic concepts related to pollution, biogeochemical cycles, ecological productivity and adaptations.

CO 12: Paper XII: Plant Utilization

To make students understand the role of plants in human welfare. Gain knowledge about various, vegetable and fruit plants, medicinal plants, spice yielding plants of economic use. To study about forest products and plant as source of fibres, beverages, rubber and narcotics. To make students aware about the utility of plant resources.

**Post Graduate Department of Chemistry
M.Sc. CHEMISTRY**

Programme Outcomes: Upon the completion of M.Sc. chemistry the students will be able to:

PO1. Gain a thorough and logical understanding of the advance topics in chemistry.

PO2. Join further research-based projects and are also eligible for doing M. Phil and Ph.D.

PO3. Use their research skills to formulate, produce, characterize, and analyze new compounds for specific applications.

PO4. Be equipped with practical exposure in the field of science to find new cures and discovering new molecules through a wide variety of techniques studied during the course.

PO5. Start out in the lab and then move onto other laboratory career such as process chemistry, formulation chemistry, quality control or quality assurance. They may also move to non-laboratory careers such as teaching, regulatory affairs, project management and production.

Program specific outcome: M.Sc. II Chemistry

1. To build a scientific temper and to learn the necessary skills to succeed in research or industrial field.
2. To be able to define and resolve new problems in Chemistry and participate in the future development of Chemistry Course.
3. To understand the interdisciplinary nature of Chemistry and to be aware of the emerging fields in Chemistry.

MCHE-301: Analytical - Chemistry

Course Outcomes (C.O.):

1. This course will provide an insight into some of the fundamental concepts and principles that are very essential in the study of chemistry.
2. The students will understand the fundamental principle of various analytical techniques like chromatographic techniques, polarography and thermo-gravimetric analysis etc.
3. This course will suggest a suitable analytical method for a specific purpose, evaluate important sources of interferences and errors, and also suggest alternative analytical methods for quality assurance.
4. This course will develop skills in students like problems solving, critical thinking and analytical reasoning.

MCHE-311 Ligand Field Theory

Course Outcomes (C.O.):

1. A broad but still detailed overview of ligand field aspects used in chemistry with a particular focus on the most advanced topics addressed by surrounding ligands.
2. Detailed aspects of co-ordination complexes not only fulfil the need of it in the field of chemistry but also in medicine, food industry, drug analysis and environmental sample analysis.
3. Concept of ligand field enriches the students with the knowledge of wave functions and terms symbols which elaborates the whole geometry and spectra of complexes.

MCHE-312: Reaction mechanism of transition metal complexes

Course Outcomes (C.O.):

The students will acquire knowledge of:

1. Formation of octahedral and square planar complexes
2. Reaction and mechanism of octahedral and square planar complexes and electron transfer reactions
3. Apply various methods to determine the stoichiometry and stability of complexes.

MCHE-313: Inorganic spectroscopy-I

Course Outcomes (C.O.):

The students will know about the:-

1. Utility of spectroscopic methods such as IR, Raman, and Mossbauer techniques for the characterization of inorganic complexes.
2. Application of UV-Vis, FT-IR, Magnetic moment measurement to understand the inorganic compounds.
3. Purification of different inorganic complexes.
4. Planning and generalization of the scheme for determining the structure of molecules using Electronic absorption spectroscopy, Microwave, IR spectroscopy, Raman spectroscopy, NQR spectroscopy & MASS spectroscopy so that they can propose a best solution to such problems.

MCHE-321: Photochemistry and Pericyclic reactions

Course Outcomes (C.O.):

1. The students will learn the theoretical concepts of photochemical reactions, applications of photochemistry.
2. The students will acquire knowledge of mechanism for photochemical reactions under experimental conditions.
3. The students will acquire the knowledge of molecular orbitals, symmetry elements and possibility of thermal and photochemical Pericyclic reactions.

MCHE-322: Chemistry of Natural Products

Course Outcomes (C.O.):

The students will acquire knowledge of.

1. Importance of various natural products.
2. Structural illustration and synthesis of various natural products useful for the identification.
3. To study the fundamental concept of terpenoids, alkaloids, vitamins, lipids and steroids.
4. Elementary idea of supramolecular chemistry and Green Fluorescent Proteins.

MCHE-323:-Heterocyclic chemistry

Course Outcomes (C.O.):

The students will acquire knowledge of:

1. Nomenclature of different heterocyclic compounds
2. Synthetic methods of three, four, five and six membered heterocyclic compounds
3. Physical & chemical reactivity of three, four, five and six membered heterocyclic compounds.
4. Biological importance of these heterocyclic compounds.

MCHE- 331: Fundamentals of Spectroscopy

Course Outcomes (C.O.):

1. Student can examine the electronic spectra of diatomic molecules.
2. Student can examine electronic spectra of polyatomic molecules.

3. Rotational and vibrational spectra of diatomic and polyatomic molecules are examined.
4. Student can interpret the NMR and ESR data.

MCHE -332: Statistical Thermodynamics

Course Outcomes (C.O.):

Students will have achieved the ability to:-

1. Find the connection between statistics and thermodynamics.
2. Differentiate between different ensemble theories used to explain the behavior of the systems.
3. Differentiate between classical statistics and quantum statistics.
4. Explain the statistical behavior of ideal Bose and Fermi systems.

MCHE- 333: Photo and Surface Chemistry

Course Outcomes (C.O.):

1. Student can define and explain surface- and interfacial phenomena.
2. Student can describe and explain different types of Isotherms systems.
3. Student can perform numeric calculations of surface area using BET equation.
4. Student can define photo-physical and photochemical processes.
5. Student can describe Jablonski diagram and Franck Condon Principle.

MCHE -401: Environmental Chemistry

Course Outcomes (C.O.):

At the end of this course, the students will be able to:-

1. Explain the theoretical principles and the main components of selected electro-analytical and Spectrometric/Spectro-photometric methods.
2. Explain the theoretical principles of various separation techniques in chromatography and typical applications of chromatographic techniques.
3. Elaborate the Stratospheric chemistry, Ozone layer hole and ground level air pollution and health consequences.
4. Describe causes and effects of environmental pollution by energy industry and discuss some mitigation strategies.

MCHE-411 Chemistry of Organo-metallic Compounds Course Outcomes (C.O.):

The students will acquire the knowledge of:

1. Preparation of organo-metallic compounds and homogenous catalytic synthesis of organic chemicals.
2. Bonding and chemical properties of various compounds of transition metals with hydrocarbon systems.
3. Stability of organo-metallic compounds and clusters, and their applications as industrial catalysts.
4. Structure and bonding issues to understand the stability and reactivity of metal hydrides.

MCHE-412: Advanced topics in Inorganic Chemistry

Course Outcomes (C.O.):

On completion of course the student will be able to:-

1. Gain advanced knowledge about spectroscopic terms and symbols.
2. Learn about the radioactive activity and photo nuclear reactions.
3. Synthesis of high nuclearity carbonyl clusters and their structure.

MCHE- 413: Inorganic Spectroscopy –II

Course Outcomes (C.O.):

The students will learn about:-

1. Systematic qualitative analysis of inorganic compounds by using various spectroscopic techniques.
2. To understand the basic and advance applications of NMR and ESR for the characterization of Co-Ordination complexes.
3. Summarize various concepts involved in various spectroscopy techniques and evaluate the spectroscopic data collected for structural elucidation.
4. Estimate the required technique for solving problems related to the structure, purity and concentration of chemicals and predicts the desired outcomes based on which they can test the compatibility of process.

MCHE-421: Applications of Organic Molecular Spectroscopy

Course Outcomes (C.O.):

The students will acquire knowledge of:-

1. IR range for different functional groups and its applications.
2. λ_{max} for polyenes and α,β -unsaturated carbonyl compounds in UV spectroscopy and its application part.
3. Principle and various applications of $^1\text{H-NMR}$, $^{13}\text{C-NMR}$ and mass spectroscopy.
4. Solve structural problems based on UV-Vis, IR, $^1\text{H-NMR}$, $^{13}\text{C-NMR}$ and mass spectral data.

MCHE-422: Organic Synthesis

Course Outcomes (C.O.):

The students will acquire knowledge of:

1. Mechanistic pathway of organic reactions.
2. Retro-synthetic approach to planning organic synthesis.
3. Conversion of different functional group via rearrangement reaction

MCHE-423-Modern Synthetic Reactions and Rearrangements

Course Outcomes (C.O.):

The students will acquire knowledge of:-

1. Experimental techniques for different catalytic reactions.
2. Physical and chemical characterization of catalysts and catalytic reaction.
3. Various reagents and their applications in various industries.
4. Write mechanism of organic reactions involving reactive intermediates and concerted processes.

MCHE-431: X-RAY Diffraction and other Techniques

Course Outcomes (C.O.):

1. Student will define concepts such as lattice, point and space groups
2. Student can be familiar with Bragg's Law and explain its relation to crystal structure
3. Student can examine X-ray diffraction spectra powder material.
4. Student can interpret the NQR and Mossbauer data.

MCHE -432: Nano Chemistry and Advanced Spectroscopy

Course Outcomes (C.O.):

1. Student will learn about the background on Nano-science, Mass Spectrometry and Photoelectron Spectroscopy.
2. Student will understand the synthesis of Nano-materials and their application and the impact of Nano-materials on environment. Apply their learned knowledge to develop Nano-material's
3. Student can examine Mass spectra of radicals, could determine weight and bond dissociation energies
4. Student can interpret the PES data.

MCHE-433: Polymer Chemistry

Course Outcomes (C.O.):

1. Students will be able to understand the relationships between polymer molecular weight, molecular weight distribution, and the properties of polymeric materials.
2. Students will demonstrate an ability to distinguish different polymerization reactions and their mechanisms/kinetics, and learn how actual polymerization is performed in the laboratory.
3. Students will learn about polymer solvent interaction and the effect of the solvents on the dimensions of the polymers in solution.
4. Students will improve and expand their skills in performing and analyzing the thermal and mechanical properties of polymers.
5. Students will be able to describe the viscoelastic behavior of polymers with respect to their chemical structures and molecular weights.

PROGRAMME OUTCOMES (PO) B.Sc. Hons Chemistry

Upon completion of the B.Sc. (Honors) Chemistry programme, students will be able to:

PO1: Comprehend the adequate knowledge about the concepts, principles and tools required for effective scientific and computer skills which the students can apply in individual and professional life.

PO2: Gain a thorough and logical understanding in fundamentals of Science and Computers for the holistic development of students.

PO3: Demonstrate high standards of actuarial ethical conduct, professional behavior, interpersonal and communication skills as well as a commitment to lifelong learning through pure and applied sciences.

PO4: Be initiated into the basics of scientific and applied research which will be helpful for the students to generate employability.

PO5: Be equipped with practical exposure in the field of science and computers.

Programme specific outcome (B.Sc.-II Chemistry Honors)

The B.Sc.-II (Chemistry Honors) Program aims to develop the following abilities.

PSO1: Students will have a thorough knowledge of fundamentals of chemistry along with thermal physics, waves, optics and programming using C along with internet technologies.

PSO2: The foundation for the higher education such as M.Sc. in chemistry is developed, as inorganic, organic, physical and analytical chemistry are the foremost important branches of chemistry.

PSO3: Students will develop skills for conducting experiments on thermal physics, waves, optics, programming language, internet technologies, quantitative estimation using the different branches of volumetric analysis as well as quantitative analysis of metal ions and anions using gravimetric method.

BHCHE 301-T: INORGANIC CHEMISTRY-II

COURSE OUTCOMES

CO 1. Students will know about s & p – block elements and will learn the basic principles behind metallurgical processes.

CO 2. Detailed knowledge of acids, bases and their classification.

CO 3. Students can apply valence bond theory to determine the shapes of noble gas compounds.

CO 4. Students get knowledge about inorganic polymers.

BHCHE 301-P: INORGANIC CHEMISTRY -II LAB

COURSE OUTCOMES

CO 1. Students will be able to synthesize various inorganic complexes and have knowledge of their applications.

CO 2. Students can determine the strength and purity of some specific compounds using iodometric titration methods.

CO 3. Students will carry out iodimetric titrations.

CO 4. Students will be able to carry out mercuration of phenol.

BHCHE 302-T: ORGANIC CHEMISTRY-II

COURSE OUTCOMES

CO 1. Students will have a thorough knowledge about the chemistry of some selected functional groups with a view to develop proper aptitude towards the study of organic compounds and their reactions.

CO 2. To enable the students to understand and study Organic reaction mechanisms.

CO 3. Enable the students to study the structure, preparation and reactivity of carbonyl compounds.

CO 4. Students will be able to study about alcohols and sulphur containing compounds in detail.

BHCHE 302-P: ORGANIC CHEMISTRY -II

LAB COURSE OUTCOMES

CO 1. To develop skills required for the qualitative analysis of organic compounds & determination of physical constants.

CO 2. Students learn to analyze organic compounds having nitro, amine and amide functional groups.

CO 3. Enable the students to detect extra elements in the given organic compounds.

CO 4. Students will be able to qualitatively analyze unknown organic compounds containing simple functional groups (alcohols, carboxylic acids, phenols, carbonyl compounds).

BHCHE 303-T: PHYSICAL CHEMISTRY-III

COURSE OUTCOMES

- CO 1. Students will be able to determine kinetics of fast reactions.
- CO 2. To enable students to determine the order of reactions with respect to given species by applying the initial rate method and isolation method, express the rate law from the orders with respect to the species involved.
- CO 3. Enable students to predict the dependence of rate constants on temperature, calculate the activation energy and pre-exponential factors.
- CO4. Apply the steady state approximation and derive the rate law of a complex mechanism such as that found in unimolecular reactions

BHCHE 303-P: PHYSICAL CHEMISTRY -III LAB

COURSE OUTCOMES

- CO 1. Students will determine density of given liquid using pycnometer.
- CO 2. Students will determine solubility of given sample using conductometer.
- CO 3. Students will gain skills about adsorption studies.
- CO 4. Students will determine distribution coefficient of particular compound between two solvents.

BHCHE 304 : ENVIRONMENTAL AND ROAD SAFETY AWARENESS

COURSE OUTCOMES

- CO 1. Students will learn the significance of conservation of natural resources.
- CO 2. Students will become concerned to follow practices to make environment pollution free.
- CO 3. Students will become sensitized towards road safety and have the knowledge of road safety rules.
- CO 4. Students will learn about environmental policies and practices. And will also know about disaster management, environmental movements and ethics.

BHCHE 401-T: INORGANIC CHEMISTRY-III

COURSE OUTCOMES

- CO1. Students will describe the structure and bonding theories as well as Nomenclature of co-ordination complexes.
- CO 2. Recognize the role played by transition metal complexes in Inorganic Chemistry. Explain the role of Inorganic "substances" in living systems and the use of metal ions in medicinal therapy and diagnosis.
- CO 3. Describe the electronic and magnetic properties of the transition metal complexes and their kinetic studies.
- CO 4. Students will learn to explain Stereochemistry of complexes.

BHCHE 401-P: INORGANIC CHEMISTRY -III LAB

COURSE OUTCOMES

- CO 1. Students will be able to synthesize various inorganic complexes and have knowledge of their applications.
- CO 2. Students will learn about basic principles of chromatographic techniques.
- CO 3. Students will carry out separation of given mixture using column chromatography.
- CO 4. The students will get training in the quantitative analysis of metal ions and anions using gravimetric method.

BHCHE 402-T: ORGANIC CHEMISTRY-III

COURSE OUTCOMES

- CO1. Students will have a thorough knowledge about the chemistry of some selected functional groups with a view to develop proper aptitude towards the study of organic compounds and their reactions.
- CO2. To enable the students to know about some naturally occurring organic compounds.

BACHELOR OF SCIENCE CHEMISTRY BSC (NON-MEDICAL/MEDICAL/BIOTECH)

Programme Outcomes Students of all undergraduate general degree Programmes at the time of graduation will be able to

- PO1.** speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- PO2:** work and communicate effectively in inter-disciplinary environment, either independently or in a team, and demonstrate leadership qualities. Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO3.** recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- PO4.** understand the issues of environmental contexts and sustainable development.

PO5: recognize the need to engage in lifelong learning through continuing education.

Programme Specific Outcomes On successful completion of this Programme, students will have ability to:

PSO1: do master programme in chemistry and targeted approach of GATE examination and competitive exams conducted by service commission

PSO2: grasp an enormous job opportunity after completing their graduation at all levels of pharmaceutical, food industries.

PSO3: compete for the various competitive examination based on chemistry in various government as well as corporate sectors like DRDO, SSC, FCI PSPCL, UPSC.

PSO4: work effectively and safely in a laboratory environment

PSO5: use technologies/instrumentation to gather and analyze data and work in teams as well as independently.

PSO6: think critically and scientifically in analyzing various chemical problem

Course Outcomes BSc II

BSNM 304- Chemistry

(i) Physical Chemistry-II (Solutions, Phase Equilibrium and Electrochemistry)

Course Outcomes

CO1: Acquire knowledge about the thermodynamics and phase equilibria.

CO2: Understand the basic concept of melting point.

CO3: Learn about conductometric titrations and measurement of conductance.

CO4: Learn about the potentiometric titrations and their applications.

CO5: Acquire knowledge of various functional groups like carboxylic acids, amines, amino acids, carbohydrates, alcohols.

CO6: Learn about the proper mechanism behind the existing reactions.

CO7: obtain an outline about the proteins, peptides and amino acids, their degradation mechanism and identification test.

CO8: Thorough knowledge about the reducing and non reducing sugar molecules.

CO9: overview of electrodes, their role in electromotive force.

CO10: Learn about degree of ionization, solubility concept of various salts and factors effecting them.

BSNM 304- Chemistry

(ii): Organic Chemistry-III Carboxylic Acids Amines and Carbohydrates Chemistry

Course Outcomes

CO1: Acquire knowledge about the thermodynamics and phase equilibria.

CO2: Understand the basic concept of melting point.

CO3: Learn about conductometric titrations and measurement of conductance.

CO4: Learn about the potentiometric titrations and their applications.

CO5: Acquire knowledge of various functional groups like carboxylic acids, amines, amino acids, carbohydrates, alcohols.

CO6: Learn about the proper mechanism behind the existing reactions.

CO7: obtain an outline about the proteins, peptides and amino acids, their degradation mechanism and identification test.

CO8: Thorough knowledge about the reducing and non reducing sugar molecules.

CO9: overview of electrodes, their role in electromotive force.

CO10: Learn about degree of ionization, solubility concept of various salts and factors effecting them.

BSNM 404: CHEMISTRY

(i) Inorganic Chemistry II (Transition Metal Coordination Chemistry,)

Course Outcomes

CO1: Acquire knowledge about the general properties of periodic table

CO2: Understand the basic concept of Latimer diagrams.

CO3: Learn about inner and outer orbital concept of metal complexes, their co-ordination geometry along with various theories.

CO4: Learn about the potentiometric titrations and their applications.

CO5: Acquire knowledge about the various geometries of metal complexes, demonstration of Jahn Teller effect.

CO6: Learn about the crystal field stabilization energy.

CO7: obtain an outline about the theory of gases, molecular collisions, Maxwell Boltzmann concept.

CO8: Thorough knowledge about the solid state, their structure determination via XRD, Bragg's equation.

CO9: overview of qualitative and quantitative theory of collisions.

CO10: Learn about general methods for determination of order of a reaction

BSNM 404: CHEMISTRY

(ii): Physical Chemistry-II (States of Matter & Chemical Kinetics)

Course Outcomes

- CO1: Acquire knowledge about the general properties of periodic table
- CO2: Understand the basic concept of Latimer diagrams.
- CO3: Learn about inner and outer orbital concept of metal complexes, their co-ordination geometry along with various theories.
- CO4: Learn about the potentiometric titrations and their applications.
- CO5: Acquire knowledge about the various geometries of metal complexes, demonstration of Jahn Teller effect.
- CO6: Learn about the crystal field stabilization energy.
- CO7: Obtain an outline about the theory of gases, molecular collisions, Maxwell Boltzmann concept.
- CO8: Thorough knowledge about the solid state, their structure determination via XRD, Bragg's equation.
- CO9: Overview of qualitative and quantitative theory of collisions.
- CO10: Learn about general methods for determination of order of a reaction.

Post Graduate Department of Computer Science M.Sc. IT (Master of Science in Information and Technology)

Program Outcome (PO)

This course focuses on practical experience as student can opt for career in the computer Programming /software development/web development. The course grooms the students for lucrative avenues in IT industry as Web Designer, web administrator, Software consultant, system analyst, Database administrator etc.

Program Specific Outcome (PSO-I)

Students will be able to understand the basic concepts of programming language along with the basic knowledge of discrete structure. In addition to that students have the complete knowledge of Programming Languages of computer system along with software and students will have complete knowledge of research methodology that will help them in betterment of their future.

Program Specific Outcome (PSO-II)

Students will be able to understand the basic concepts of operating system along with the memory management techniques through complete knowledge of architecture along with relational database management system that will help them to understand the real life applications by creating database entities. In addition to that students have the complete knowledge data mining techniques and electronic commerce and Python programming techniques.

MSIT- 101: INTRODUCTION TO INFORMATION TECHNOLOGY AND OFFICE AUTOMATION

Course Learning Outcomes: After completion of this course students will be able to:

- CO1: Explain the basic concepts of hardware & software, terminology and use of IT tools.
- CO2: Explore new IT techniques in various applications.
- CO3: Understand the concepts & elements of operating system.
- CO4: Familiarize with various Office Automation tools.

MSIT- 102: PROGRAMMING USING 'C'

Course Learning Outcomes: After completion of this course students will be able to:

- CO1: Learn the implementation of simple 'C' program, data types, operators and Console I/O function.
- CO2: Learn the Implementation of decision control statements, loop control statements and case control structures.
- CO3: Understand the declaration and implementation of arrays, pointers, structure and functions.
- CO4: Understand the file operations, Character I/O, String I/O, File pointers.

MSIT-103: WEB TECHNOLOGIES

Course Learning Outcomes: After completion of this course students will be able to:

- CO1: Develop a Dynamic Webpage by the use of HTML, DHTML, JavaScript and PHP.
- CO2: Develop solution to complex problems using appropriate method, Technologies, Frameworks, Web Services and Content Management.
- CO3: Implementing PHP in solving real world problems.
- CO4: Demonstrate an Understanding of Database Connectivity.

MSIT-104: (i) DISCRETE MATHEMATICAL STRUCTURE

Course Learning Outcomes: After completion of this course, student will be able to

- CO1: Use concepts and notations from discrete mathematics which are useful in studying and describing objects and

problems in branches of computer science, such as computer algorithms, programming languages, cryptography, automated theorem proving, and software development.

CO2: Use logical notation to define and understand about fundamental mathematical concepts such as sets, relations, functions, and integers.

CO3: Evaluate elementary mathematical arguments and capable of reasoning.

CO4: Apply graph theory models of data structures and state machines to solve problems of connectivity and constraint satisfaction.

MSIT-104: (ii) MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE

Course Learning Outcomes: After completion of this course students will able to

CO1: Familiarize with measures of central tendencies and measures of dispersion.

CO2: Understand the concept of Correlation.

CO3: Enabled to study appropriate numerical methods to find the roots of equations and learnt to solve system of equations using different methods.

CO4: Understand Interpolation and Extrapolation.

MSIT-105: SOFTWARE LAB I (PROGRAMMING USING ‘C’)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Learn the implementation of simple ‘C’ program, data types, operators and Console I/O function. **CO2:** Learn the Implementation of decision control statements, loop control statements and case control structures.

CO3: Understand the declaration and implementation of arrays, pointers, structure and functions.

CO4: Understand the file operations, Character I/O, String I/O, File pointers.

MSIT-106: SOFTWARE LAB II (WEB TECHNOLOGY)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Develop a Dynamic Webpage by the use of HTML, DHTML, JavaScript and PHP.

CO2: Develop solution to complex problems using appropriate method, Technologies, Frameworks, Services and Content Management.

CO3: Implementing PHP in solving real world problems.

CO4: Demonstrate an Understanding of Database Connectivity.

MSIT-107: WORKSHOP-I (REASONING & RESEARCH APTITUDE)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Explore and apply key concepts in logical thinking to business problems.

CO2: Enable students to critically analyze material (information) to order to evaluate Evidence, construct reasoned arguments, and communicate inferences.

CO3: Reviewing literature to understand how others have approached or dealt with the Problem& developing research objectives.

CO4: Analyzing various data collection methods.

MSIT-201: SOFTWARE ENGINEERING

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Handle the different projects in various phases of Life Cycle.

CO2: Comprehend the basics of software process in order to manage and deliver Competent product.

CO3: Formulate appropriate testing strategy for the given software system.

CO4: Demonstrate and use for Software interfacing the design and its principles.

MSIT-202: COMPUTER ORGANIZATION & ARCHITECTURE

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Design the various functional unit and components of computer system.

CO2: Demonstrate the concept of organization of computer system to design the various Devices.

CO3: Design the input/ output operations and to create networking among the various.

CO4: Identify and compare different methods for computer I/O mechanisms.

MSIT-203: RELATIONAL DATABASE MANAGEMENT SYSTEM

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Understand the architecture of DBMS, conceptual data, logical database design and physical database design.

CO2: Perform Database Analysis using E-R data model by identifying entities, attributes, Relationships etc.

CO3: Perform Relational Database Design process with Normalization.

CO4: Learn Database Implementation with SQL.

MSIT-204: (i) E-TECHNOLOGIES

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Analyze the impact of E-commerce business models along with E-Commerce types and Application. **CO2:** Identity the process that should be followed in building the E-Commerce Models along with various legal, privacy and security issues related to E-Commerce.

CO3: Explaining the Role of Software Agents in E-Commerce.

CO4: Determine the data warehousing & Data Mining Process & Techniques associated with it.

MSIT-204: (ii) DIGITAL MARKETING

Course Learning Outcomes: After completion of this course students will be able to:

CO1. Analyze the confluence of marketing, operations, and human resources in real-time delivery.

CO2. Explain the role and importance of digital marketing in a rapidly changing business landscape

CO3. Discuss the key elements of a digital marketing strategy.

CO4. Demonstrate advanced practical skills in common digital marketing tools such as SEO, SEM, Social media and Blogs.

MSIT- 205: PYTHON PROGRAMMING

Course Learning Outcome: After completion of this course students will be able to:

CO1: To understand the usefulness of python programming and Its Paradigm.

CO2: To learn how to design and program Python Applications.

CO3: To learn and understand Python Looping, Control Statements, String Manipulations and File Handling.

CO4: Make Database Connectivity in Python Programming Language.

MSIT-206: SOFTWARE LAB-III

Course Learning Outcomes: After completion of this course students will be able to:

CO1: To understand the usefulness of python programming and Its Paradigm.

CO2: To learn how to design and program Python Applications.

CO3: To learn and understand Python Looping, Control Statements, String Manipulations and File Handling.

CO4: Make Database Connectivity in Python Programming Language

MSIT-207 SOFTWARE LAB IV (SQL)

Course Learning Outcomes: After completion of this course students will be able to:

CO1: To explore, organize, maintain and retrieve the database effectively and efficiently using My SQL.

CO2: To apply the knowledge of computing and mathematics for designing the various applications.

CO3: Design, implement and evaluate computer programs to meet the desired need of databases.

CO4: Use and apply the current techniques, concepts and practices in the core information technologies for the design of need based Software's.

PGDCA

PO - Post Graduate Diploma in Computer Applications (PGDCA) is designed for graduate students who are interested in computer applications. This course has been made for students who want to learn computer applications in different fields like banking, insurance and accounting. This program allows students to seek professional knowledge in computer applications.

PSO- I

The curriculum of this programme ensures that students gain the basic knowledge of computer Fundamentals, basic programming skills and windows operating system.

PSO- II

The curriculum of this programme ensures that students gain the basic knowledge of Database management, python programming and web technology.

PGDCA 101: Information Technology

Course Learning Outcomes: After completion of this course students will able to:

CO1: Understand the basic concepts, terminology of IT and familiar with the use of IT tools.

CO2: Explore new IT application areas and to identify the issues related to Security.

CO3: Understand the working knowledge of hardware and software of computer.

CO4: Familiarize with the concept of E-commerce and E-Payment Systems.

PGDCA 102: COMPUTER PROGRAMMING USING C

Course Learning Outcomes: After completion of this course students will able to:

CO1: Develop efficient algorithms for solving a problem.

CO2: Understand the basic terminology used in computer programming, Writing, Compiling and Debugging involving decision structures, loops and functions, arrays, strings and pointers.

CO3: Switch over to any other language in future.

CO4: Develop confidence for self-education and ability for life-long learning needed for Language.

PGDCA 103: WINDOWS OPERATING SYSTEM

Course Learning Outcomes: After completion of this course students will able to:

CO1: Describe different types of operating systems along with concept of file systems and CPU scheduling algorithms used in operating system.

CO2: Develop deadlock handling algorithms and learn Memory management.

CO3: Implement various algorithms required for management, scheduling, allocation and communication used in operating system.

CO4: Describe and analyze the memory management, storage management and its policies.

PGDCA -104: SOFTWARE LAB-I (COMPUTER PROGRAMMING USING C)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Develop efficient algorithms for solving a problem

CO2: Understand the basic terminology used in computer programming.

CO3: Develop programs based on C Language.

CO4: Develop basic applications based on C Language.

PGDCA -105: SOFTWARE LAB-II (OFFICE AUTOMATION)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Understand the basic concepts, terminology of IT and the use of IT Tools.

CO2: Explore the Word Processing techniques in various applications.

CO3: Explore the presentation commands to be used practically and professionally.

CO4: Practically understand the concepts of spreadsheets and various other tools of office.

PGDCA 201: DATABASE MANAGEMENT SYSTEM

Course Learning Outcomes: After completion of this course students will able to:

CO1: Explore, organize, maintain and retrieve the database effectively and efficiently.

CO2: Apply the knowledge of computing and mathematics for the appropriate discipline.

CO3: Design, implement and evaluate computer based system process component or program to meet the desired need.

CO4: Ability to use and apply MS Access tool.

PGDCA 202: PROGRAMMING WITH PYTHON

Course Learning Outcomes: After completion of this course students will able to:

CO1: Defining Python strength, weakness and installing Python

CO2: Explore and create the general purpose programming language to create the different program with the use of syntax, variables and statements.

CO3: Defining modules, import statement and various functions.

CO4: Exploring the process of file handling in Python.

PGDCA 203: WEB TECHNOLOGY

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Develop a dynamic webpage by the use of HTML, DHTML, Java Script and CSS.

CO2: Develop web based applications using suitable client side and server side web technology.

CO3: Explore the various ideas for database access and data driven applications.

CO4: Develop the skills in analyzing the usability of the websites and also helps to plan and conduct the user research related to web usability.

PGDCA-204: SOFTWARE LAB – III

Course Learning Outcomes: After completion of this course students will able to:

CO1: Defining Python strength, weakness and installing Python

CO2: Explore and create the general purpose programming language to create the different program with the use of syntax, variables and statements.

CO3: Defining modules, import statement and various functions.

CO4: Exploring the process of file handling in Python.

PGDCA 205: SOFTWARE LAB-IV

Course Learning Outcomes: After completion of this course students will be able to:

CO1: Understand HTML concepts and structure of HTML document.

CO2: Understanding Layouts, controls of HTML, CSS, JavaScript and AJAX.

CO3: Implementation of queries, tables and integrity constraints in MS-Access.

CO4: Working on database reports and macros.

BCA

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO1: To provide the students with core competencies in the basics of fundamentals of computer applications by and managerial scientific, mathematical and managerial skills.

PEO2: To inculcate high professionalism among the students by providing the technical and soft skills with ethical standards

PEO3: To train the graduates in diversified and applied areas with analysis, design and synthesis of the data to create the novel products.

PEO4: To encourage the students for higher studies research activities and entrepreneur skills.

PROGRAMME OUTCOMES (PO) UG

PO1: Demonstrate the competencies in the latest trends of information technology computing specialization and it will enhance the employability.

PO2: Design the efficient algorithms and solution for complex computational and real world problems.

PO3: Create, select and apply the appropriate technologies and various tools of Programming languages.

PO4: Ability to effectively communicate with the technical community and the society to understand and write effective reports, design the documentation and make the effective presentation.

PO5: Ability to apply the knowledge of mathematics, computer science and management to pursue in higher education and can become an entrepreneur.

Program Specific Objectives (PSO)

PSO1: Students will be able to know the various issues of computer Hardware and software, latest trends in technology development and apply the various tools of programming languages.

PSO2: Students will use their understanding and skills for the development of computer in the area related to algorithm, database, web designing, and operating system for the efficient design of computer based system.

PSO3: Explore and built up the comprehensive skills in web designing, multimedia and animation, E- technology, cloud computing and various issues of data analytics

BCA 101: FUNDAMENTALS OF IT

CO1: Understand the various number system techniques and its conversion.

CO2: Understand the basic concepts of hardware & software, terminology and use of IT tools.

CO3: Understand the concept of word processor, presentation and spreadsheet.

CO4: Understand the concept of Operating system and various Office Automation tools.

BCA 101 (P): SOFTWARE LAB-I

CO1: Prepare documents, spreadsheets, make small presentations with audio, video and graphs.

CO2: Create, edit, save and print documents with list tables, header, footer, graphic, spellchecker, mail merge and grammar checker.

CO3: Apply different animations and transition effects to make presentation more effective.

CO4: Attain the knowledge about spreadsheet with formula, functions and macros etc.

BCA 102: COMPUTER PROGRAMMING

CO1: Understand the basic terminology used in computer programming.

CO2: Describe various Data types, Operators, Control structures, Function in C.

CO3: Understand the concepts of different user-defined data types such as Arrays, Strings, Structures, and Unions etc.

CO4: Learn Pointers and File handling techniques.

BCA 102 (P): SOFTWARE LAB-II

CO1: Prepare documents, spreadsheets, make small presentations with audio, video, graphs, charts and Animations.

CO2: Create, edit, save and print documents with list tables, header, footer, graphic, spellchecker, mail Merge and grammar checker.

CO3: Describe basics, various Data types, Operators, Control structures, Function in C.

CO4: Understand the concepts of different user-defined data types such as Arrays, Structures, Pointers and File Handling etc

BCA 201: DIGITAL ELECTRONICS

CO1: Become familiar with different types of codes and number systems used in digital communication and computer system.

CO2: Employ the codes and analyze different electronic circuits using logical tools and Mathematical techniques.

CO3: Learn different types of digital circuits for operation within economics, efficiency, user Friendly and environmental constraints.

CO4: Apply the knowledge of analog and digital circuits in real world problems with different Circumstances.

BCA 202: DATA STRUCTURES

CO1: Access the choices of data structure and how it impact the performance of the programs.

CO2: Describe the basic concept and implementation of various Data Structures.

CO3: Solve problems based upon different data structures to develop the software.

CO4: Design new algorithms or modify existing ones for new applications and able to analyze the Space and time efficiency

BCA 202 (P): SOFTWARE LAB-III

CO1: Access the choices of data structure and how it impact the performance of the programs.

CO2: Learn the basic concepts and implementation of various Data Structures.

CO3: Solve problems based upon different data structures to develop the software.

CO4: Design new algorithms and programs for developing new software based applications.

BCA 301: OBJECT ORIENTED PROGRAMMING USING C++

CO1: Understand the difference between object-oriented programming and procedural oriented language and data types in C++.

CO2: Explore C++ programming features such as composition of objects, operator overloading, inheritance, Polymorphism etc.

CO3: Simulate the C++ problems in real-world.

CO4: Understand various file handling concepts.

BCA 302: DATABASE MANAGEMENT SYSTEM

CO1: Gain a good understanding of the architecture and functioning of database management systems, Principles of data modeling and normalization techniques.

CO2: Explore the components of relational database management system.

CO3: Understand the use of structured query language and its syntax, transactions, database recovery and techniques for query optimization.

CO4: Acquire the practical knowledge of MySQL.

BCA 303: COMPUTER SYSTEM ARCHITECTURE

CO1: Design the various functional unit and components of computer system.

CO2: Demonstrate the concept of organization of computer system to design the various devices

CO3: Design the input/ output operations and to create networking among the various.

CO4: To develop the virtual computers to help the artificial Intelligence

BCA 306(ii): COMPUTER ORIENTED NUMERICAL AND STATISTICAL METHODS

CO1: Familiarize with measures of central tendencies and measures of dispersion.

CO2: Understand the concept of Correlation and regression.

CO3: Enabled to study appropriate numerical methods to find the roots of equations and learnt to solve system of equations using different methods.

CO4: Understand floating point representation and binary representation of numbers.

BCA 401: Python Programming

CO1: Describe Object oriented programming concepts in Python.

CO2: Explain various Data types, Control Structures, Functions, Modules and Sequence in Python.

CO3: Understand and summarize the different File handling operations.

CO4: Interpret the concept of Exception Handling in Python.

BCA 402: Operating System

CO1: Describe different types of operating systems along with concept of file systems and CPU scheduling algorithms used in operating system.

CO2: Develop deadlock handling algorithms and learn Memory management.

CO3: Implement various algorithms required for management, scheduling, allocation and communication used in operating system.

CO4: Describe and analyze the memory management, storage management and its policies

BCA 403: Computer Networks

CO1: Describe how communication works in computer networks and to understand the basic terminology of computer networks.

CO2: Figure out the Reference Models in Networking.

CO3: Analyze the role of protocols in networking and features of the various layers in the protocol stack.

CO4: Design and understand issues in Network Security, various security threats, security services and mechanisms to counter them.

BCA 406 (i): ANIMATION TECHNOLOGY

CO1: Understand basics of multimedia and the role of animation.

CO2: Study and practice various Photoshop editing tools.

CO3: Explore the concept of Layer Pallet.

CO4: Implement and use Flash and twining for Animation.

BCA 406 (i) (P): Software Lab VIII (Based On BCA 406(i))

CO1: Explore the basic concept and understand the various latest tools of IT in 3-D production.

CO2: Improve the skills and the knowledge for designing.

CO3: Offers to present the idea and talents by showcasing the creativity.

CO4: Effectively use the technical conceptual and critical ability to develop the various technological tools.

BCA406 (ii): CONTENT MANAGEMENT SYSTEM

CO1: Understand the need of content management system and various tools for it.

CO2: Study the basics of Word Press and cPanel.

CO3: Describe how to deal with plugins.

CO4: Explore the advanced Word Press features.

BCA 406 (ii): SOFTWARE LAB VIII (BASED ON BCA 406(ii))

CO1: To organizes and presents the web contents by creative and deploying the websites.

CO2: Extends the functionality of content management system with web programming.

CO3: To develop the various sites using fronted and backend programming while considering the issues of interface with accessibility and web standards.

CO4: To review the latest cms tools and technologies in terms of client requirements.

BCA 501: JAVA PROGRAMMING

CO1: Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.

CO2: Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem.

CO3: Demonstrate how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.

CO4: Demonstrate understanding and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.

BCA 501 (P): SOFTWARE LAB VIII (BASED ON PAPER BCA 501)

CO1: Implement Object Oriented programming concept of control Structures, strings and function for developing the logic building activity using Java.

CO2: Identify classes, objects, members of a class and the relationships among them needed for finding the solution of problems by designing the programs.

CO3: Implement programs related to reusability using inheritance, interfaces and packages.

CO4: Design and implement programs of exception handling mechanisms and multithreading for efficient application development.

BCA 502: WEB TECHNOLOGY-I

CO1: Understand the major areas and the challenges of latest technologies of internet.

CO2: Enhance the interface between the various languages.

CO3: Explore the various ideas for database access and data driven applications.

CO4: Develop the skills in analyzing the usability of the websites.

BCA 502 (P): SOFTWARE LAB-IX (BASED ON PAPER BCA 502)

- CO1:** Understand basic elements related to the latest technologies of internet.
- CO2:** Enhance the interface between various languages for effective Website development.
- CO3:** Explore and implement the various ideas for database access and data driven applications.
- CO4:** Develop the skills in analyzing the usability of the websites.

BCA 503: SOFTWARE ENGINEERING

- CO1:** Analyse software development process models, including spiral model and traditional models like waterfall.
- CO2:** Apply software life cycle through requirements gathering, choice of process model and design model for developing projects.
- CO3:** Acquire knowledge about software estimation techniques and configuration management for creating project baselines.
- CO4:** Perform various activities like implementing, testing and maintenance.

BCA 506(A): MANAGEMENT INFORMATION SYSTEM

- CO1:** Apply the sound managerial concepts and principles in the development and operations of information system.
- CO2:** Describe and managing the digital firm evolution.
- CO3:** Analyze and synthesize business information and systems to facilitate evaluation of strategic alternatives.
- CO4:** Demonstrate the Applications of Information System in Functional Areas (Marketing and Financial).

BCA506 (B): DIGITAL MARKETING

- CO1:** Analyze the confluence of marketing, operations, and human resources in real-time delivery.
- CO2:** Explain the role and importance of digital marketing in a rapidly changing business landscape
- CO3:** Discuss the key elements of a digital marketing strategy
- CO4:** Demonstrate advanced practical skills in common digital marketing tools such as SEO, SEM, and Social media and Blogs.

BCA 601: WEB TECHNOLOGY-II

- CO1:** To design and develop the dynamic database driven web pages.
- CO2:** Helps to make the static website and turn it into the dynamic website run from a data base using PHP and MYSQL.
- CO3:** Learn different ways of connecting to MYSQL through PHP to create, retrieve and save the database.
- CO4:** Students will be able to design professional websites.

BCA 601 (P): SOFTWARE LAB-X (BASED ON PAPER BCA 601)

- CO1:** To design and develop the dynamic database driven web pages.
- CO2:** Helps to make the static website and dynamic website using PHP and MYSQL.
- CO3:** Implement different ways of connecting to MYSQL through PHP for creating, retrieving, saving and connecting the database.
- CO4:** Students will be able to design professional websites.

BCA 602: E-TECHNOLOGIES

- CO1:** Analyze the impact of E-commerce business models and latest technologies of IT.
- CO2:** Identity the process that should be followed in building the E-Commerce.
- CO3:** To manipulate graphics and the sound information, privacy and control of Electronic media.
- CO4:** Different E-commerce trading relationships between the Entrepreneur and the consumers.

BCA 603: MINOR PROJECT

- CO1:** Identify the requirements for the real world problems and to understand the programming language concepts and basics of Software Development Life Cycle model for the implementation of the project.
- CO2:** Conduct a survey of several available literatures in the preferred field of study to enhance software/hardware skills.
- CO3:** Build the project by Planning, analyzing, coding, testing, debugging and implement it at the premises of end user.
- CO4:** Report and present the findings of the study conducted in the preferred domain by working in the teams.

BCA 604: SYSTEM SOFTWARE

- CO1:** Identify and illustrate the types and features of system software and application software.
- CO2:** Describe the importance of Language Processors.

CO3: Demonstrate the use of Compilation Process which helps in programming languages.

CO4: Identify and understand the working of key components of computer system, hardware, software and firmware.

BCA 607(A): CLOUD COMPUTING

CO1: Apply the fundamental concepts in cloud infrastructure to understand the single and multiple data centers.

CO2: Outline the role of hardware and software for third party.

CO3: Analyse the various cloud computing techniques to solve the problems on the cloud.

CO4: Meet the evolution, its applicability, benefits as well as current and future challenge.

BCA 607(B): DIGITAL MARKETING

CO1: Analyze the confluence of marketing, operations, and human resources in real-time delivery.

CO2: Explain the role and importance of digital marketing in a rapidly changing business landscape

CO3: Discuss the key elements of a digital marketing strategy **CO4:** Demonstrate advanced practical skills in common digital marketing tools such as SEO, SEM, and Social media and Blogs.

CO4: Demonstrate advanced practical skills in common digital marketing tools such as SEO, SEM, and Social media and Blogs.

B.Voc. Software Development

The whole course is focused on the skill of software development. This course engages the students in all aspects of software development. This course focuses on practical experience as students have to undergo industrial training. After completing the course the student can opt for a career in computer programming/software development/web development.

Programme Outcomes

After completing Bachelor of Vocation program in Software development, a student will be able to:

PO 1: Demonstrate the competencies for employability or to pursue higher education in fields of Computer Science and Information Technology.

PO 2: Apply technical and professional skills to find effective solutions by identifying, analyzing and formulating the real world problems.

PO 3: Become entrepreneurs by starting their own startup and make a meaningful participation in accelerating India's economy.

PO 4: Possess effective presentation and communication skills within the Professional, Social as well as Personal domain.

PO 5: Possess ability to access economical, environmental and social aspects along with updating technical skills for continuous self-development as a professional.

Programme Specific Outcomes

After completing Bachelor of Vocation program in Software development, a student will be able to:

PSO 1: Understand the principles and working of computer systems.

PSO 2: Possess diverse knowledge in the domain of Information Technology including programming Languages, Data Structures & Algorithms, Web Designing & Development, Software Engineering & Testing, Networking, E-Commerce, Database Management, DSS, Open-Source platforms, etc.

PSO 3: Develop Software Projects using different languages/technologies.

Course Outcomes

BVG-038 Computer Fundamentals:

After completing this course the students will be able to:

CO-1: explain the fundamental concepts, application area, terminology related to Information Technology.

CO-2: generalize the working of hardware and software.

CO-3: outline recent trends in Information Technology.

CO-4: use operating system & office automation tools.

B.VSD-111 Programming using C:

After completing this course the students will be able to:

CO-1: explain the basic terminology used in computer programming, compiling and debugging.

CO-2: apply programming fundamentals like data types, operators, I/O functions, control structures.

CO-3: use arrays and strings.

CO-4: describe the concept and application of functions and storage classes.

CO-5: comprehend the concepts of dynamic memory allocations, user defined data types and file handling.

B.VSD-112: Web Designing using Html and Dhtml:

After completing this course the students will be able to:

CO-1: comprehend the basics of WWW and web designing.

CO-2: use text, fonts, colors, images, tables, hyperlinks and other elements of HTML to create static web pages.

CO-3: apply interactivity in web pages using the form element.

CO-4: demonstrate the working of components of DHTML like CSS, JavaScript in creating media-rich dynamic web pages.

B.VSD-113: Workshop - I and Practical lab (Based on B.VSD-112):

After completing this course the students will be able to:

CO-1: work on office automation software package for advanced documentation, creating efficient presentation and handling worksheets.

CO-2: create static web pages using HTML.

CO-3: create data input forms.

CO-4: create simple dynamic web pages using CSS and JavaScript along with HTML.

B.VSD-114 Software Lab-I (Based on B.VSD-111) :

After completing this course the students will be able to:

CO-1: demonstrate the working of the coding environment.

CO-2: gain hands-on experience by implementing programs in “C” language.

CO-3: implement programs using control structures, arrays, strings.

CO-4: implement programs using functions, structures, unions, pointers, etc.

BVG-044 Digital Electronics:

After completing this course the students will be able to:

CO-1: explain the digital and analog signals, logic gates.

CO-2: comprehend and apply boolean algebra, number systems and their conversions.

CO-3: describe the working mechanism of various combinational circuits.

CO-4: describe the working mechanism of various sequential circuits.

B.VSD-121 Fundamentals of RDBMS :

After completing this course the students will be able to:

CO-1: describe the fundamental concepts related to database, DBMS and RDBMS.

CO-2: comprehend E-R and other record based data models and normalization.

CO-3: explain Relational Data Model and describe the advanced concepts of Transactions, Concurrency Control, etc.

CO-4: use SQL and PL/SQL to manage relational databases.

B.VSD-122 Programming using C++:

After completing this course the students will be able to:

CO-1: comprehend the concept of object oriented programming systems.

CO-2: recognize the features and relative merits of C++ supporting object oriented programming.

CO-3: use object, class, constructor, destructors and inheritance.

CO-4: apply polymorphism by using overloading, overriding, etc.

CO-5: illustrate the usage of templates and expectation handling.

B.VSD-123 Software Lab-II (Based on B.VSD-121) :

After completing this course the students will be able to:

CO-1: install and use MySQL.

CO-2: create databases using MySQL.

CO-3: perform CRUD operations.

CO-4: manipulate database using PL/SQL procedures.

B.VSD-124 Software Lab-III (Based on B.VSD-122):

After completing this course the students will be able to:

CO-1: implement the concepts of classes & objects in C++.

- CO-2:** implement the concepts of constructors & destructors in C++.
- CO-3:** implement the concepts of inheritance & polymorphism in C++.
- CO-4:** implement the concepts of templates & expectation handling in C++.

BVG-023 Operating System:

After completing this course the students will be able to:

- CO-1:** explain basic operating system concepts, types, services.
- CO-2:** describe process management, memory management, CPU scheduling.
- CO-3:** appraise methods to handle file systems and disk-scheduling.
- CO-4:** use various features of Linux OS.
- CO-5:** identify the use cases of Cloud, Android and iOS operating systems.

BVG-019 Discrete Mathematics:

After completing this course the students will be able to:

- CO-1:** Use mathematically correct terminology and notation.
- CO-2:** Construct correct direct and indirect proofs.
- CO-3:** Use division into cases in a proof.
- CO-4:** Use counterexamples.
- CO-5:** Apply logical reasoning to solve a variety of problems.

BVG-29 Software Engineering:

After completing this course the students will be able to:

- CO-1:** explain the field of software engineering and its need.
- CO-2:** classify software development process models.
- CO-3:** discuss the concepts of software project planning.
- CO-4:** demonstrate the use of a software engineering process life cycle and its various stages for developing software projects.

B.VSD-214 Java Programming:

After completing this course the students will be able to:

- CO-1:** describe the structure and model of the Java programming language, JDK, JVM, usage of OOP principles.
- CO-2:** apply the concept of interface, package, threads.
- CO-3:** use exception handling, event handling.
- CO-4:** use Swing to design GUIs.
- CO-5:** perform database connectivity using JDBC.

B.VSD-215 Data Structure & Algorithm:

After completing this course the students will be able to:

- CO-1:** describe the concepts of data structures, algorithms and algorithmic complexity.
- CO-2:** explain linear data structures like arrays, linked lists, stacks, queues along with related operations.
- CO-3:** explain non-linear data structures like trees and graphs along with related operations.
- CO-4:** describe various searching and sorting algorithms.
- CO-5:** write programs requiring the implementation of the above data structures.

B.VSD-216 Software Lab-IV (Based on B.VSD-214):

After completing this course the students will be able to:

- CO-1:** install and use JRE.
- CO-2:** implement the concepts of OOPS in Java.
- CO-3:** implement the interface, package, thread, in Java.
- CO-4:** create GUI using Swing.
- CO-5:** implement database connectivity using JDBC.

B.VSD-217 Software Lab-V (Based on B.VSD-215):

After completing this course the students will be able to:

- CO-1:** implement different data structures using C++
- CO-2:** implement insertion and deletion operations using C++.

CO-3: implement search operations using C++.

CO-4: implement sorting operations using C++.

BVG-020 Decision Support System:

After completing this course the students will be able to:

CO-1: discuss decision-making process.

CO-2: classify decision models.

CO-3: explain Decision Support Systems (DSS) and their applications.

CO-4: describe various DSS tools.

CO-5: familiarize with the Expert System.

BVG-024 Content Management System:

After completing this course the students will be able to:

CO-1: explain the role of content management technologies to organize and present web content.

CO-2: illustrate the process of web hosting, getting domain name and web space for a new website.

CO-3: manage websites using cPanel.

CO-4: use local development servers like WAMP, XAMPP and LAMP for local website development and testing.

CO-5: create, deploy and manage websites using content management system-WordPress and its various features.

B.VSD-224 Web Development Using PHP and MYSQL:

After completing this course the students will be able to:

CO-1: describe the structure and model of the PHP language and its role in web development.

CO-2: write procedural PHP scripts using variables, operators, I/O functions, control structures, arrays, strings, functions, etc.

CO-3: write object oriented PHP scripts using classes and objects.

CO-4: embed PHP code in a web page.

CO-5: perform database connectivity with MySQL.

B.VSD-225 Software Testing Concepts and Tools:

After completing this course the students will be able to:

CO-1: investigate the reason for bugs and understand the principles in software testing to prevent and remove bugs.

CO-2: discuss modern software testing processes in relation to provide quality in software development.

CO-3: create test strategies and plans, design test cases, prioritize and execute them.

CO-4: describe manual testing, agile methodology and automation testing.

B.VSD-226 Software Lab-VI (Based on B.VSD-224):

After completing this course the students will be able to:

CO-1: install, configure and use WAMP/XAMPP.

CO-2: create and run PHP scripts.

CO-3: create dynamic web pages using PHP and MySQL.

CO-4: create mini software project.

B.VSD-227 Software Lab-VII (Based on B.VSD-225):

After completing this course the students will be able to:

CO-1: create test cases for various scenarios.

CO-2: execute test cases.

CO-3: analyze results of testing.

CO-4: use automated testing tool Selenium.

BVG-043 Computer Networks:

After completing this course the students will be able to:

CO-1: describe the process of data communication.

CO-2: explain basic networking concepts, protocols and network types.

CO-3: identify different types of devices, media & their functions within a network.

CO-4: discuss OSI and TCP/IP reference models.

CO-5: describe various layers of OSI model.

BVG-047 E-Commerce:

After completing this course the students will be able to:

CO-1: comprehend the concept of E-Commerce and the importance of the Internet and WWW.

CO-2: classify E-Commerce models.

CO-3: describe the characteristics of online marketing.

CO-4: identify E-Payment systems, Mobile Commerce, E-Business portals.

B.VSD-311 Python Programming:

After completing this course the students will be able to:

CO-1: use programming constructs like variables, operators, I/O functions, control structures, functions, etc.

CO-2: apply data structures like lists, tuples, sets, dictionaries.

CO-3: comprehend and use Python modules.

CO-4: describe use of files and regular expressions for data analysis.

B.VSD-312 Web Development:

After completing this course the students will be able to:

CO-1: comprehend the features, components and architecture of .Net framework.

CO-2: describe features and usage of C#.

CO-3: use various web server controls of ASP.Net to create web applications

CO-4: illustrate the usage of ADO.Net for connecting web applications with databases.

B.VSD-313 Software Lab-VIII (Based on B.VSD-311):

After completing this course the students will be able to:

CO-1: install, configure and use Python IDLE.

CO-2: create and run Python scripts.

CO-3: perform data analysis using Python.

CO-4: use different modules in Python.

B.VSD-314 Software Lab-IX (Based on B.VSD-312):

After completing this course the students will be able to:

CO-1: install, configure and use Visual Studio.

CO-2: create and run C# programs.

CO-3: create web pages using ASP.net web server controls.

CO-4: create and deploy database driven web applications using ASP.Net, C#, ADO.Net.

B.VSD-321 Project:

Students will undergo industrial training of 6 months in their desired field. After completing this course the students will be able to:

CO-1: become an expert in one's chosen technology.

CO-2: become updated with all the latest changes in the technological world.

CO-3: to identify, formulate and model problems and find appropriate solutions.

CO-4: to develop real-time social/industrial software projects.

DDU Kaushal Kendra

Bachelor of Vocation (B. Voc.) is launched under the scheme of University Grants Commission for skill development based on higher education leading to Bachelor of Vocation (B. Voc.) Degree, with multiple exits as Certificate/Diploma /Advanced Diploma/Degree under the National Skill Qualification framework (NSQF). The B. Voc. Programme incorporate specific job roles and their National Occupational Standards along broad based general education. B. Voc. Programme has been designed as per National Skill Qualification Framework (NSQF) emphasizing on skill based education.

Programme Outcome

B.Voc Food Processing & Engineering:

This course is concentrated on making the students “ready to work” for different food industries enhancing their employability. This course combines vocational and management concepts. Food processing is a contemporary exercise that develops efficiency and improves promotion of the food products. This course is based on developing set of methods and techniques which can be used to transform raw materials into nutritious and safe food for consumption. The course has essentially been designed for students wishing to enhance their employability. This course facilitate such students in learning, earning and growing professionally. The course offers to eligible candidates:

-) PO1: Inculcate the judicious mix of skills in Food Processing industries.
-) PO2: Familiarise with the social, economic and environmental context within which the food processing industry operates.
-) PO3: Explain and apply the various tools and techniques for developing efficient expertise in innovative, trendy and interesting disciplines of choice.
-) PO4: Acquaint themselves the latest skills and talents required to meet the industry demand and to become a competent global workforce.
-) PO5: Establish themselves possessing employability and communication skills with a presentable personality

Programme Specific outcome

-) PSO1: Understand the dynamics of food processing industry and its impact on the economy and the society.
-) PSO2: Acquire adequate knowledge and skills on the trade so that they are ready to perform in the specified job role at each exit point of the programme.
-) PSO3: Identify the suitable job roles and responsibilities for employment in the food processing and quality management related industry.

NSQF Level-4 Baking Technician / Operative FOR Part -I (SEMESTER-I)

Course outcome

BVG - 014: Basics of Food Processing

CO1 Explain the importance of food processing and its general principles

CO2 Describe the equipment used in food industry, explain different types of food processing techniques

CO3 Students will be able to understand set of methods and techniques used to transform raw ingredients into finished and semi-finished products

CO4 Explain the different types of food processing methods in general

CO5 Conversion of good quality raw materials into attractive, marketable and often long shelf-life food products.

BVFPE-114: Bakery Science & Technology

CO1 Explain the current status of bakery industries in India, raw materials of bakery products

CO2 Explain the technology of baking and wide-ranging understanding of baking science

CO3 Explain the preparation steps for the manufacture of bakery products and will also learn about gluten structure and its functionality in baking

CO4 Familiarize with Bakery machinery and equipment

CO5 Students will learn preparation of various bakery products like bread, biscuits, cookies, cakes, buns and rusks. This will be of great deal of importance in light of current market trends for consumers.

BVFPE-115 Basics of Food Safety & Microbiology

CO1 Describe the importance of Food Microbiology, identify the micro-organisms which are importance to food industry

CO2 Demonstrate the working of equipment, procedure of washing and sterilization of glassware

CO3 Identify the causes of food spoilage and food borne diseases.

CO4 Identify the micro-organisms involved in food spoilage and food poisoning organisms

CO5 Students will learn importance of personal hygiene, sanitation and cleaning programmes.

BVFPE-116 Practical Paper pertaining to Bakery Science & Technology

CO1 Acquire the skills of the technologies behind bakery products

CO2 Understanding preparation techniques used in bakery industry

CO3 Innovating modified bakery products for different health conditions

CO4 Performing various tests to evaluate the quality of bakery products

CO5 Students will learn preparation of various bakery products like bread, biscuits, cookies, cakes, buns and rusks. This will

be of great deal of importance in light of current market trends for consumers.

BVFPE-117: Practical Paper pertaining to Basics of food safety & microbiology

CO1 Understand the important genera of microorganisms associated with food and their characteristics, their growth pattern and parameters.

CO2 Understand the role of personal hygiene and sanitation techniques in food industries

CO3 Performance the techniques used for isolation of microorganisms

CO4 Learn about the sterilization techniques using various instruments

CO5 Understand the laboratory techniques to detect, quantify, and identify microorganisms in foods

NSQF Level-5 Food Products Packaging Technician For part -I (semester-II)

-) A Food Products Packaging Technician performs various packaging functions and handles all categories of packaging such as primary, secondary and tertiary packaging for food products.
-) A Food Products Packaging Technician must have the ability to plan, organize, prioritize, calculate and handle pressure.
-) The individual must possess reading, writing and communication skills. In addition, the individual must be a team worker and have good hand eye coordination.

Course outcome

BVG - 015 Principles of Food Preservation

CO1 Students will get the knowledge of principles of food preservation which will also include a brief study of deteriorative factors of food constituents.

CO2 Understand the importance of microorganisms in food preservation.

CO3. Understanding of the concept of different processing and preservation technologies

CO4 Important application of various preservation methods in food industries

CO5 Explain the different types of food preservation by high temperature, low temperature and chemicals

BVFPE-214 Basics of Food Packaging

- CO1 Comprehend the overview of the scientific and technical aspects of food packaging
- CO2 Understand packaging machinery , systems, testing
- CO3 An insight to food packaging laws and regulations
- CO4 An understanding of packaging requirement and packaging designing of food.
- CO5 Students learn to get the consumers attention with packaging techniques amidst all the food products

BVFPE-215: Food Packaging Techniques

- CO1 Introduction of the most recent developments in food packaging including non-biodegradable, semi-biodegradable and biodegradable packaging materials
- CO2 Explain the status of current packaging, critical review of the existing knowledge in packaging of products, Special needs
- CO3 Explain about Packaging Design & Environmental Issues in Packaging
- CO4 Intelligent and active packaging, analytical aspects such as shelf-life prediction,
- CO5 Understand the package development considerations

BVFPE-216 Practical paper pertaining to Basics of Food Packaging

- CO1 An understanding of different food packaging materials and packaging design and techniques used for various foods
- CO2 Understand types of packaging materials
- CO3 Performing various tests to check the quality of food package
- CO4 Understand labelling of packaging materials
- CO5 Correlation of different food products with food packaging materials

BVFPE-217 Practical paper pertaining to Food Packaging Techniques

- CO1 Understand the use of dimensional analysis in designing of food packs
- CO2 Learning the latest techniques involved in food packaging
- CO3 Explain safety practices for packaging food materials
- CO4 Analysis of critical control points involved during packing of food products
- CO4 Understanding environmental issues in designing packaging materials

NSQF Level-6 Chief Miller For part -II (semester-III& IV)

-) A Chief Miller manages the milling process for all types of grains while maintaining food safety and hygiene in the work environment.
-) A Chief Miller manages the milling process for all types of grains overseeing activities such as handling of various milling machineries, maintenance of process parameters, inspection of raw material and finished goods to achieve the desired quality and quantity of products.
-) A Chief Miller must have the ability to plan, organize, prioritize, calculate, concentrate and handle pressure. The individual must possess reading, writing and communication skills. In addition, the individual must have mechanical aptitude and trouble shooting skills.

Course outcome

BVG -016: Food Chemistry

- CO1 Describe the various physical and chemical properties of foods
- CO2 Define Carbohydrate, classify carbohydrate and explain the structure and function of Carbohydrates
- CO3 Define Protein, amino acid, classify and explain the structure and function of protein
- CO4 Define Lipids, classify and explain the structure and function of Lipids
- CO5 Define enzymes, Vitamins and explain the role of enzyme in food processing

BVFPE-314 Technology of Cereal Processing

- CO1 Explain the composition, structure and processing characteristic of cereal grains.
- CO2 Describe the structure, types, composition, quality characteristics and physicochemical properties of rice.
- CO3 Describe the structure, types, composition, quality characteristics and

physicochemical properties of Wheat

CO4 Students will learn about working of machinery and equipments employed in wheat and rice milling industry

CO5. Learn practices and procedures for the production of safe, high quality cereal-based products.

BVFPE-315 Food Plant Layout & Sanitation

Learn about the importance of food plant layout.

Learn about design and manufacturing facilities that can quickly and effectively adapt to changing technological and market requirements.

Understand the development of Good Manufacturing Practices (GMP) programmes

Learn the foundation for the preparation of a Hazard Analysis and Critical Control Point (HACCP) system.

Learn about the sanitary aspects of food plant design.

BVFPE-316 Practical Paper pertaining to Technology of Cereal Processing

CO1 Acquire the skills of the technologies behind cereal products

CO2 Understanding preparation techniques used in cereal industry

CO3 Innovating modified cereal products for different health conditions

CO4 Performing various tests to evaluate the quality of cereals and cereal products

CO5 Students will learn techniques of fermentation and sprouting of cereals

BVFPE-317 Practical Paper pertaining to Food Plant Layout & Sanitation

CO1 Understand about hygiene and sanitation

CO2 Understand the role of Sanitation in work area, equipments and glassware

CO3 Explain about waste management

CO4 Understand role of safety equipments

CO5 Performing various tests to evaluate the quality of water

BVG-017 Food Additives

CO1 Understand food additive legislation

CO2 Learn chemical and technological properties of the most relevant food additives used as food improvement agents.

CO3 Explain nutritional additives, preservatives, Flavouring agent, colouring agent, methods used for safety evaluation,

CO4 Explain general principles of preservatives used in processed food

CO5 Consequences of use, risks and benefits of food additives.

BVFPE-414 Technology of Pulse Processing

CO1 Understand wide range of *pulse* varieties and variants; splits, whole, natural or hulled *pulses*. CO2 Learn about various processing methods of pulses

CO3 Learn quality parameters used in processing of pulses

CO4 Explain toxic factors of pulses and processing techniques used in reducing toxicity

CO5 Understand basic packaging requirements for pulses

BVFPE-415 Quality Assurance & Quality Control

CO1 Understand the role of Good Laboratory Practices (GLP)

CO2 Understand the role of Good Manufacturing Practices (GMP) in food industries.

CO3 Identify the elements that are part of the quality measuring process in the food industry.

CO4 Understand the importance and role of regulatory bodies

CO5 Understanding the importance of labeling of processed food products

BVFPE-416 Practical Paper pertaining to Technology of Pulse Processing

CO1 Identification and description of common pulses

CO2 Acquire the skills of the technologies behind pulses products

CO3 Understanding preparation techniques used in pulses industry

CO4 Performing various tests to evaluate the quality of pulses and pulses products

CO5 Students will learn techniques of fermentation and sprouting of pulses

BVFPE-417 Practical Paper pertaining to Quality Assurance & Quality Control

CO1 Identify the techniques of Good Manufacturing Practices (GMP) used in food industries.

- CO2 Demonstrate labeling of cereal and pulses products
- CO3 Identify the elements that are part of the quality measuring process in the food industry.
- CO4 Understand the importance and role of regulatory bodies
- CO5 Evaluation of shelf-life of cereal and pulse products.

NSQF Level-7 Production Manager For part -III (semester-V& VI)

-) A Production Manager is responsible for production of food products and meeting quantity, quality and cost standards.
-) A Production Manager is responsible for production of food products through the process of production planning, coordinating and controlling production process to achieve desired quantity and quality of products.
-) A Production Manager must have the ability to read, write, communicate, plan, organize and prioritize. S/he must possess mathematical organizational and analytical skills, ability to concentrate, physical stamina, mechanical aptitude and trouble shooting skills and have an understanding of food safety standards and requirements.

Course outcome

BVG-033: Confectionary Technology

- CO1 Understand the ingredients and techniques involved in the manufacturing process of sugar, toffee, chewing gums and chocolate.
- CO2 Understand the status of confectionary industry in India.
- CO3 Understand the technologies (equipment and process) for confectionary product preparations
- CO4. Understand defects in confectionary
- CO5 Utilization of by-products of sugar industry

BVFPE-514: Food Handling & Storage Technology

- CO1 Understand the practices which are to be followed in food handling which directly contributes to the safety of food
- CO2 Learn about food storage types and structures
- CO3 Importance of pest control in food industry
- CO4 Overview of material handling system and devices in food processing
- CO5 Explain the conventional and modern storage structures

BVFPE-515: Food Fermentation Technology

- CO1 An understanding of the basic components of Food Fermentation Technology and their principles
- CO2 An understanding of the concept of different fermentation process.
- CO3 Learn about manufacturing process of different fermented milk products, fruits, vegetables and beverages.
- CO4 Preparation of various fermentation products
- CO5 Learning the advantages of fermented foods

BVFPE-516: Practical Paper pertaining to Food Handling & Storage Technology

- CO1 Analysis of pests that are safety hazard to food processing plant
- CO2 Identifying stored product pests
- CO3 Handling of food and food products
- CO4 Evaluation of quality assessment of stored grains
- CO5 Checking the freshness of cereals during storage conditions

BVFPE-517: Practical Paper pertaining to Food Fermentation Technology

- CO1 Preparation of various fermentation products
- CO2 Testing of quality of fermented foods
- CO3 Evaluating final products after fermentation
- CO4 Checking aging of finished products
- CO5 Recovery of fermented products using filtration techniques

BVG-032: Food Industry Waste Management

- CO1 Understand various wastes from fruits and vegetable processing industry
- CO2 Learn about various methods to tackle the food industry wastes in the food industry
- CO3 Understanding of various waste treatment methods

CO4 Explain about waste management
CO5 Utilization of food processing industry waste

BVFPE-614: Food Production Engineering

CO1 Understand and comprehend the principle of unit operations
CO2 Understand basics of designing of food plant and storage system)
CO3 Familiarization with basic principles of refrigeration, freezing, heat and mass transfer, from food industrial point
CO4 Understanding the technological solutions of food processing and preserving
CO5 Identifying various equipments to be used according to norms and specifications

BVFPE-615: IPR & Entrepreneurship

CO1 Acquiring knowledge of Intellectual Property rights (IPR)
CO2 Understanding the protection of their inventions.
CO3 Understand the schemes of MOFPI in development of food industries
CO4 Learning innovative entrepreneurial skills
CO5 Understanding the growth of entrepreneurs

BVFPE-616 Practical paper pertaining to Food Production Engineering

CO1 Operation of various equipments
CO2 Understanding the design parameters of cold storage
CO3 Skilling in analyzing refrigeration load capacity
CO4 Understanding the effects of temperature on dehydrated food products
CO5 Understanding the concept of heat transfer

BVFPE-617 Practical paper pertaining to IPR & Entrepreneurship

CO1 Searching of various schemes from official website
CO2 Over viewing the food industry growth scenario in Punjab
CO3 Over viewing the food industry growth scenario in India
CO4 Over viewing of Government start up schemes for entrepreneurship
CO5 Filing of patents

Department of Defence and Strategic Studies

Upon completion of the Course in Defence and Strategic Studies, a student should have acquired basic competency in strategic affairs covering a wide spectrum of interstate security to global security issues including non-kinetic dimensions.

1. Shall develop capability in understanding the implications of use and threat of use of force in International relations.
2. Shall seek, identify and apply the acquired knowledge in defence and strategic studies on contemporary issues of strategic relevance.
3. Ability to move from LOTS (Lower Order of Thinking Skills) to HOTS (Higher Order of Thinking Skills) in Defence and Strategic Studies.
4. The learning of strategic studies shall arm the candidates to independently choose further course of action in his/her life whether pursuing higher education by taking specialized course in honours or identifying a career for himself or herself.

BA-1st

CORE PAPER – 1 CONCEPTUAL ASPECTS OF WAR

Learning Outcomes - After undergoing this course a student will be in a position to –

- Clearly understand the definition, meaning and distinguish basic concepts of war;
- Various types of war and its various typologies, techniques and characteristics; and
- Grasp the concept and theories of nuclear war in detail.

CORE PAPER – 2 INTERNATIONAL RELATIONS: DEFENCE ASPECTS

Learning Outcomes - After undergoing this course a student will be in a position to –

- The basic concepts of international relations and how nation-state system works;
- Acquire competency in military and state - centric aspects of international relations; and
- Its repercussions on inter- state affairs and their security dilemma and some economic aspects of war.

BA-2nd

CORE PAPER – 3 EVOLUTION OF WARFARE-I

Learning Outcomes - After undergoing this course a student will be in a position to –

- Become familiar in evolution of art of warfare in Western World;
- Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Macedonian, Persian, and Romans Generals.
- Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in Western World through ages.

CORE PAPER – 4 EVOLUTION OF WARFARE-II

Learning Outcomes - After undergoing this course a student will be in a position to –

- Become familiar in evolution of art of warfare in India;
- Learn and understand the Strategy, tactics, application of principles of war and causes of defeat and victory of various Indian, Mughal, Maratha and Sikh Generals.
- Besides, in a position to appreciate and understand evolutionary changes in the art and science of war in India through ages.

CORE PAPER – 5 NATIONAL SECURITY OF INDIA

Learning Outcomes - After undergoing this course a student will be in a position to –

- Develop core competencies in national security affairs by building his/her capacity on essentials of National Security through theory and practice.
- Understand the national security challenges both internal and external a country face; and
- Understand the Contemporary security environment in the world.

CORE PAPER – 06 REGIONAL SECURITY AND COOPERATION

Learning Outcomes - After undergoing this course a student will be in a position to –

- Understand the theoretical dimensions of 'Region' in International Relations.
- Conceptual Dimensions of Regional Security; Regional Cooperation and Military Alliances; and
- Students would get to understand nuances of regional cooperation, its benefits and drawbacks by learning various existing regional cooperative mechanisms across the globe.

DEPARTMENT OF ECONOMICS

B.A (Economics)

1. Programme Outcome-

Economics is considered as evergreen subject due to its high utility and huge demand in the job markets. The course produce highly qualified, well rounded and motivated students with a sound knowledge of the subject and its applicability in real world to serve the society and the nation. It also trains the students in the methods and ideas of economics that pushes forward the frontier of knowledge in the respective field. Graduation in Economics paves way to different public and private jobs such as SSC, Indian Economic Services, UPSC, Banks, FCI, CRID, MNCs, Teaching, Business Journals, Newspapers and research institutions.

2. Programme Specific Outcome

PSO1- Students will have the ability to apply micro economic principles and understand the characteristics of Indian Economy along with formulation of policies and planning.

CO1-Micro Economics and Indian Economy-I

Understanding of Micro Economics under the course will be helpful for students to describe issues such as wage inequalities, understanding of producer choice and consumer behaviour.

Study of Indian economy under the course will be helpful to students to identify the nature and characteristics of Indian Economy from since Independence to till date.

CO2- Micro Economics and Indian Economy-II

Study of Micro Economics under the course will be helpful for students to apply micro economic principles and models to define and address market failures.

Understanding of Indian economy under the course will be helpful to the students to gain the ability to examine various agricultural, industrial and foreign policies which will help them to understand the working of public and private sector development and organization in the era of globalization.

PSO2- Students will be able to forecast the future course of changes and macro economic developments through their knowledge of economic models, financial tools and the international trade policies.

CO3- Macro Economics and Public Finance

Study of macro economics under the course will be helpful to the students to identify the causes of prosperity, growth and

economic change over time and the macro-economic mechanism with the help of basic principles of macro economics and models.

Study of public finance under the course will be helpful to the students to understand the budgetary policy of the Government and to evaluate the functioning of the Government.

CO4- Macro Economics and International Trade

Study of macro economics under the course will be helpful to the students to understand the macro-economic mechanism through models and theories by which they will be able to know the working of economic variables in the economy.

Study of International trade under the course will be helpful to the students to understand the International trade mechanism which will also strengthen the student's knowledge to correlate the transmission of international economic problems. They will also be able to apply the application of commercial policies of free trade vs. protection globally.

PSO3- Students will be able to understand international and inter regional trade, identify and understand various tax and expenditure techniques applied by the government at national and global level.

CO5-Quantitative Methods and Development Economics-I

The students will be able to understand the role of quantitative techniques in the field of business, industry, to apply basic quantitative operations along with the knowledge about the institutional structure, the importance, cause and impact of growth

CO6- Quantitative Methods and Development Economics-II

The students will be able to understand the role of quantitative techniques in the field of business, industry, illustrate different types of equations, apply basic quantitative operations. It also inculcated the knowledge about the institutional structure, the importance, cause and impact of growth and its distribution translate and relate them with economic development.

B.A Economics (Honours)

1. Programme Outcome-

Economics is considered as evergreen subject due to its high utility and huge demand in the job markets. Graduation in Economics (Honours) provide highly quality instruction to students to prepare them for successful careers. It trains the students in the methods and ideas of economics that pushes forward the frontier of knowledge in the field. It also paves way to different public and private jobs such as SSC, Indian Economic Services, UPSC, Banks, FCI, CRID, MNCs, Teaching, Business Journals, Newspapers and research institutions.

2. Programme Specific Outcome

PSO2- Students will be able to gain knowledge of the causes of regional variations in productivity and production of agriculture and Industry, Agriculture and Industrial development models and suggest role of public enterprises in economic development.

CO3 : Any one of the following papers:

(i)- Economics of Agriculture

The students will be able to learn the various instruments of agriculture development such as agricultural marketing and finance and understand the theories of agricultural development and supply of labour. Understanding of agriculture credit institutions will be also helpful to the students to aware weaker sections and farmers regarding cheap credit policies. The study of the course will be helpful to the students to evaluate agricultural strategy and green revolution and current changes. The students will have the benefits to apply for recruitments in APMCs and other agencies such as PUNSUP, FCI etc.

(ii)- Economics of Industry

The students will be able to examine various instruments of market structure and growth of firms and able to evaluate the working of Industrial policy since independence. Understanding of growth of state led industrialization in India will strengthen the student's knowledge to apply in industrial problems of the nation. The study of the course will also be helpful to understand the working of public and private sector industrialization in the economic development of the nation. The students will also be able to research the challenges faced by industries of the country.

(iii)- Economics of Public Enterprises

The students will be able to understand the operations of public sector financial institutions in the financing of public enterprises and correlate the practical knowledge of role of public sector enterprises in economic development of the nation. The students will also be able to evaluate the financial performance of public sector in India. The study of the course will be helpful to understand the pricing in public sector and to evaluate the functioning of the Government and public sector units.

CO4 Any one of the following papers:

(i)- Money and Banking

The study of the course will be helpful to review various banking sector reforms and to understand and apply the knowledge of commercial banks, central bank, new developments while doing financial activities in their day to day life. Understanding

of money and banking will strengthen the student's knowledge about best investment opportunities. The knowledge of the course will be helpful to qualify banking exams and create the awareness among the students of Modern Monetary System.

(ii)- History of Economic Thought

The study of the course will be helpful to review the different economic systems such as classical and marxian schools of thought and to understand the concept of mercantilist and physiocrats in means of production. The knowledge of the course will be helpful to understand the concept of surplus value and commodity fetishism.

(iii)- Computer Applications in Economics

The study of the course will be helpful to understand computer programming languages. And to use computer applications to type, organize and find out the results and conclusions in the field of research and report writing. It will also boost student's motivation by application of computer knowledge in day to day life. Understanding of computer packages will be helpful for students to find statistical results and functioning of operating systems.

PSO3- Students will be able to understand international and inter regional trade, identify and understand various tax and expenditure techniques applied by the government at national and global level and various agrarian models and practical application of econometric tools.

CO5: Any one of the following papers

(i)-Public Finance

The study of the course will be helpful to understand the budgetary policy of the Government and to evaluate the functioning of the Government. The students will also be able to understand the Government's expenditure policy, debt policy and working of center state financial relations which will provide the practical knowledge of various tax and duties in day to day life of students during all kinds of transactions.

(ii)-Agricultural Marketing

The students will be able to learn the role of agricultural marketing and finance in agriculture development and be able to evaluate the marketing efficiency through study of marketable surplus, marketing margins and price spread. Understanding of agriculture marketing will be helpful to the students to aware farmers regarding cheap marketing policies. The study of the course will give knowledge about factors affecting marketable surplus. The students will have the benefits to apply for recruitments in agriculture marketing board and other marketing agencies such as PUNSUP, FCI etc .

CO6: Any one of the following papers

(i)- International Economics

The students will be able to understand the International trade mechanism which will also strengthen the student's knowledge to correlate the transmission of international economic problems. They will be able to apply the application of commercial policies of free trade vs. protection globally. They will also learn the methods of tariff and non-tariff barriers in international trade system. The study of the course will be helpful to recognize the application of fixed vs. flexible exchange rate. The students will have the benefit to apply their knowledge in MNCs.

(ii)-Econometrics

The understanding of the course will be helpful for the job prospective due to specialized demand along with to qualify the competitive exams. It will boost student's motivation by application of statistical knowledge in day to day life and to find out the results and conclusions in research.

M.A ECONOMICS

1. Programme Outcome-

Economics is considered as evergreen subject due to its high utility and huge demand in the job markets. The course produces highly qualified, well rounded and motivated students with a sound knowledge of the subject and its applicability in real world to serve the society and the nation. It also trains the students in the methods and ideas of economics that pushes forward the frontier of knowledge in the respective field. Post-Graduation in Economics paves way to different public and private jobs such as SSC, Indian Economic Services, UPSC, Banks, FCI, CRID, MNCs, APMCs, Cooperative societies, Teaching, Business Journals, Newspapers and research institutions.

2. Programme Specific Outcome

PSO1- Students will have the ability to apply micro economic and macro economic principles with the help of statistical tools for the formulation of policies and planning.

CO1-Micro Economic Analysis

The students will be able to apply micro economic principles and models to define and address market failures and to describe issues such as wage inequalities, understanding of producer choice and consumer behaviour.

CO2-Macro Economic Analysis

The students will be able to identify the causes of prosperity, growth and economic change over time and explain the

mechanism through which these causes operate in the economy.

CO3- Basic Quantitative Methods

The students will be able to understand the role of quantitative techniques in the field of business, industry, illustrate different types of equations, apply basic quantitative operations.

CO4- Economics of Growth and Development

It also inculcated the knowledge about the institutional structure, the importance, cause and impact of growth and its distribution translate and relate them with economic development.

CO5- Any one of the following papers:

(i) Economics of Agriculture

Students will be able to gain knowledge of the causes of regional variations in productivity and production, social and economic inequality, size of land holdings and lack of quality inputs etc. and suggest appropriate measures for the whole economy.

(ii) Economics of Industry

The industrial economics gives insights into how firms organize their activities, their objectives as well as considering their motivation.

(iii) Economics of Labour

The students will acquire knowledge of various labour acts, role of labour unions and wage policies of private and public sector.

(iv) History of Economic Thought

The students will be able to understand various schools of historical thoughts from mercantilists to imperialism.

(v) Economics of Demography

The students will be able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development in developing countries of the world.

(vi) Economics of Gender and Development

Students will be able to know the importance of human resources, their role in development and the issues of sustainable development.

(vii) Economic History of U.K. and Japan

The course explored the various schools of thought and economic structure of U.K and Japan over the period of time.

PSO2- Students will be able to forecast the future course of changes and development through their knowledge of statistical tools and the economic development models under various sectors of growth.

CO6- Micro Economic Analysis

The students will be able to apply micro economic principles and models to define and address market failures and to describe issues such as wage inequalities, understanding of producer choice and consumer behaviour.

CO7- Macro Economic Analysis

The students will be able to identify the causes of prosperity, growth and economic change over time and explain the mechanism through which these causes operate in the economy.

CO8- Basic Quantitative Methods

The students will be able to understand the role of quantitative techniques in the field of business, industry, illustrate different types of equations, apply basic quantitative operations.

CO9- Economics of Growth and Development

It also inculcated the knowledge about the institutional structure, the importance, cause and impact of growth and its distribution translate and relate them with economic development.

CO10: Any one of the following papers

(i) Economics of Agriculture

The students will get knowledge about the overall development and engines of growth in agriculture, distinctive features of rural and urban economy or agricultural and non-agricultural which can influence the whole economy.

(ii) Economics of Industry

The industrial economics gives insights into how firms organize their activities, their objectives as well as considering their motivation.

(iii) Economics of Labour

The students will acquire knowledge of demand and supply forces of labour, factor market equilibrium, various labour acts, role of labour unions and wage policies of private and public sector.

(iv) History of Economic Thought

The students will be able to understand various schools of historical thoughts, basis of economic formulation and

structure and dependency of LDCs.

(v) Economics of Demography

The students will be able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development in developing countries of the world.

(vi) Economics of Gender and Development

Students will be able to know the importance of human resources, their role in development and the issues of sustainable development.

(vii) Economic History of India and U.S.S.R.

The course inculcate the knowledge of Russian revolution and evolution of socialism to the students, guided them to analyze it with reasons, logic and its present status and its impact on Indian Economy as a mixed economy.

PSO3- Students will be able to identify and correlate the national and international economic changes and monetary development through their knowledge of trade and monetary models.

CO11-International Economics

The students will be able to understand the basic principles of international trade with the help of various classical and neo-classical theories of international trade which emphasis on commercial policies of free trade vs. protection, tariff and non-tariff barriers and bilateral and multilateral agreements.

CO12- Contemporary Issues in Indian Economy

The students will be able to identify the nature, characteristics and structure of Indian Economy from since Independence to till date. They will gain the ability to examine various agricultural, industrial, territory and foreign policies which will assist them to understand the working of public and private sector organization and development in the era of globalization.

CO13-Public Economics

The students will be familiar with the knowledge and application of tax and non-tax sources of public revenue, its expenditure and uses. As a part of applied economics, the students gain experience to apply their knowledge in day to day life during all kinds of transactions from paying GST bill to import duties. It will helpful the students to evaluate the working of current and previous government and their policies.

CO14-Money and Banking

The students will get knowledge about evolution and functions of money. They will able to understand to differentiate operations of commercial banks and central bank, new developments and international aspects of the Indian financial system, It also create the awareness among the students of Modern Monetary System.

CO15- Any one of the following papers

(i) Research methodology

The students will get knowledge about research techniques and sampling methods which gives immense knowledge to investigate in any area of research. It develops their interest in reviewing literature, field survey and identifies various authentic sources of secondary sources of data collection.

(ii) Theory of Statistics-I

The statistical knowledge gives insights to the students into how data can organize in order and use various statistical tools and tests to find out the results and conclusions. It also boost their motivation by application of that knowledge in day to day life.

(iii) Econometrics-I

The students will acquire knowledge of econometric skills and enable them to extract useful information about important economic policy issues from the data. The study of subject also enhances their job prospects.

(iv) Computer Applications for Economists-I

The students will be able to know various basic computer applications, calculation intensive methods and packages which will further assist them in research, business and personal work.

(v) Comparative Economic Systems

The study of comparative economic systems boosts the knowledge of students to understand the various economic systems, mode of production, social formation and their comparative analysis.

(Vi) Enviornmental Economics and Demography

PSO4- Students will be able to analyse and evaluate the government functioning and trade policies through their knowledge of public finance and trade models under globalization with special reference to Indian Economy.

CO16-International Economics

The students will be able to understand the international trade and financial policies with the help of various exchange rates and monetary approaches which emphasis on foreign investment and international capital movement.

CO17- Contemporary Issues in Indian Economy

The students will get knowledge of development of infrastructure and human capital formation in Indian Economy. They will also gain the ability to examine various economic inequalities, challenges and public welfare schemes for the required economic changes.

CO18-Public Economics

The students will be familiar with multi-unit finance, fiscal federalism and centre-state financial relationship which enhance their capability to evaluate and criticize the working of government and their financial autonomy and rights.

CO19-Punjab Economy

The students will get knowledge about the overall development and engines of growth in Punjab agriculture and its challenges with special reference to farmer suicide and youth migration. The students also analyze the role of public and private sector in capital formation.

CO20- Environmental Economics and Demography

Study of environmental economics and demography help the students to understand important issues such as climate change policy, valuation of environmental goods, public and private goods and coase theorm etc. The students will also be able to understand the importance, causes and impact of population growth and its distribution, trends in migration and urbanisation and relate them with economic development in developing countries of the world.

Any one of the following papers

(i) Research Methodology-II (Field Project on Elective Paper)

The entire course gives exploratory, descriptive and explanatory knowledge about the global and national economic events in the field of research which will be beneficial to write books, research papers and other publications.

(ii) Political Economy

The students seek information about approaches of historical processes, structural forces and economic institutions in shaping economic outcomes. The study of various stages of development from primitive society to imperialism and further transition of imperialism provide awareness to individuals in context of transition and revolution.

(iii) Theory of Statistics-II

The statistical knowledge gives insights to the students into how data can organize in order and use various statistical tools and tests to find out the results and conclusions. It also boost their motivation by application of that knowledge in day to day life.

(iv) Econometrics-II

The students gain knowledge of econometric skills, methods and enable them to extract relevant information about important economic policy issues from the data. The study of subject also enhance their job prospects and specialisation.

(v) Computer Applications for Economists-II

The students will be able to know various basic computer applications, calculation intensive methods and packages which will further assist them in research, business and personal work.

(vi) Mathematical Economics

The mathematical knowledge gives insights to the students into how data can organize in order and use various algebraic tools and techniques of linear programming and normal distribution to find out the results and conclusions in any line of research. It also helpful by application of that knowledge in day to day life.

P.G. Department of English and Foreign Languages M.A. ENGLISH

Programme Outcome (PO):

Masters in English develops core skills like analytical thinking, critical perspective and cross cultural understanding which allows students to critically engage with literary texts. It prepares one to be a writer, translator, speaker, editor, proof-reader, copywriter and interpreter. There is a plethora of job opportunities in the education sector, various government agencies, journalism etc. The students can also contribute as online content writers, technical translators and decoders. Future prospects for research and higher studies including M.Phil. and Ph.D. can also be availed. The students will also gain qualitatively by being sensitized towards the social issues and causes which will generate diligent, conscientious and responsive global citizens.

Programme Specific Outcome (PSO 1):

- Inculcate the knowledge of major periods, literary terms, genres and prominent literary theories
- Understand a literary work from a critical perspective
- Enhance the knowledge of the students by acquainting them with varied aspects of prose, poetry and fiction
- Acquaint the students with contemporary issues like gender, politics, inclusiveness etc. and to sensitize them towards these issues in order to make a tolerant society
- Enable the students to analyse a literary text in its historical, political, cultural and social context

MENG 101: LITERARY CRITICISM

Course Outcome: After the completion of the course the students will be able to:

- Gain knowledge of the literary criticism starting from Greco-Romans to the twentieth century British critics
- Learn about the growth of criticism in literature
- Get familiar with the contribution of criticism in literature
- Develop critical thinking and analyse the literary text
- Gain knowledge of the contribution of criticism in middle ages, romantic and modern period
- Discover the shift in the criticism in nineteenth century

MENG 102: INDIAN WRITING IN ENGLISH

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the various phases of evolution of Indian Writing in English
- Study the voices in which Indian writers speak of their cultural heritage
- Understand Indian consciousness and sensibility
- Give shape to the conflicting dilemmas and issues that confront the human psyche in the Indian context
- Understand the socio- cultural aspect and values of spiritual refinement in human life
- Familiarize themselves with the trajectory of Indian writing in English

MENG 103: SHAKESPEARE

Course Outcome: After the successful completion of this course, students will be able to:

- Acquaint themselves with Shakespeare's dramatic genius by critically interpreting the selected works
- Study the plays of Elizabethan playwright Shakespeare in order to understand the major concepts and terms of appearance and reality
- Understand how Shakespearean works were shaped by socio-political, cultural and economic scenario of Elizabethan times
- Analyse major literary characters in Shakespearean works
- Develop an understanding of the relevance of studying classic texts
- Examine the development of Shakespeare's art and contribution to literature and culture

MENG 104 (OPTION A): CHAUCER TO RESTORATION

Course Outcome: After the successful completion of this course, students will be able to:

- Gain understanding of the genres and movements related to the era beginning from Chaucerian Period to the Restoration Period
- Familiarize with representative literary texts pertaining to this period
- Acquaint with social and political issues of the period pertaining to various writers
- Understand the major themes and sensibilities of the period
- Gain knowledge of the historical, economic and religious background of the period
- Gain critical insights into the transition from Medieval to Restoration Age

MENG 104 (OPTION B): NEO-CLASSICAL TO ROMANTIC LITERATURE (1688-1832)

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the period of Neo-classicism and to know how this age differs from its previous period
- Appreciate the essence of the period by reading its background
- Gain the knowledge regarding how Neo-classical writers reacted against formlessness of the previous period and stressed on order in poetry
- Appreciate the beauty, spontaneity and the supernatural of the Romantic period and its poetry
- Identify the qualities and compare & contrast Neoclassical and Romantic literature

Understand the rise and development of Neo-classical movement, and its effects on English poetry

MENG 104 (Option C): LANGUAGE AND PHONETICS

Course Outcome: After the successful completion of this course, students will be able to:

- Gain an overview of the branch of phonetics that deals with the production of sounds in English language
- Gain knowledge about the phonetic transcription
- Analyse the similarity of sounds in different languages
- Understand the historical prospective of speech production
- Understand the connection between different dialects
- Gain knowledge about correct pronunciation after decoding linguistic signals

MENG 201: LITERARY THEORY

Course Outcome: After the successful completion of this course, students will be able to:

- Understand major trends prevalent in literary theory during second half of twentieth century
- Apply theoretical approaches to literary texts
- Gain basic knowledge on the major concepts given by different theoreticians like Frantz Fanon, Fredric Jameson, Roland Barthes etc.
- Historicize and contextualize theoretical and critical texts
- Understand the relevance of theoretical models in literary study
- Understand the relationship between author and literary text

MENG 202: 19TH CENTURY BRITISH AND EUROPEAN LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

- Gain theoretical insights and critical inputs to better understand the literary trends prevalent in 19th century
- Appreciate English poetry of various forms written during Victorian Period
- Understand the impact of political and sociological conditions on the writings of representative novelists of this period
- Analyse Victorian Literature through the lens of Charles Darwin's revolutionary book *Origin of Species* and the dichotomy it produced in the minds of Victorian people pertaining to science and religion
- Understand the emergence of novel as a leading literary genre
- Explore the increasing role of women as writers

MENG 203: GENDER POLITICS AND LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the different concepts related to gender and feminist criticism
- Learn about the interrelationship between gender politics and literature
- Learn different terms associated with gender
- Understand the psychological aspects related to Gender Studies
- Familiarize with representation of gender politics in literature
- Explore literature to understand the impact of power politics, social hierarchy, and economy on gender relations

MENG 204 (OPTION- A): 20TH CENTURY LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

- Find new forms of expression and question the traditional ideas
- Understand the socio-political, economic and cultural contexts of twentieth century which shaped the sensibility of the writers of the age
- Appreciate the spirit of experimentation and the Avant-Garde undertaken by the twentieth century writers
- Acquaint with the major terms and concepts related to the twentieth century literature
- Familiarize with the representative literary texts pertaining to the twentieth century
- Develop an understanding of the relationship between the literary text and the social structure prevalent in 20th century

MENG 204 (OPTION- B): NEW LITERATURES IN ENGLISH

Course Outcome: After the successful completion of this course, students will be able to:

- Expand imagination to appreciate critically and to interpret different literary genres
- Study various cultures of different places such as Nigeria, Sri Lanka, Caribbean, and India.
- Understand new consciousness and sensibility

Give shape to the conflicting dilemmas and issues that confront the psyche of the people during the colonial and post-colonial period
Understand complex questions of social justice and appreciate the emergence of a changing world
Understand why people migrated from their homelands during the colonial and post-colonial period

MENG 204 (OPTION C): LITERATURE AND CINEMA

Course Outcome: After the successful completion of this course, students will be able to:

- Learn about the specific language of cinema as an art form
- Form a perspective on contemporary literature or films of major periods
- Understand the major movements of world cinema and to appreciate its essence
- Learn about the major terms and concepts pertaining to Literature and Cinema
- Gain information about the medium of cinema across cultures
- Develop an understanding of the aesthetics of filmmaking

M.A. ENGLISH-II

Programme Specific Outcome (PSO 2):

- Promote the receptiveness of students towards critical concepts in literature
- Enhance knowledge and understanding of Cultural Studies, Post-Colonial Literature, Popular Literature, Multiculturalism and their representation in Literature
- Tracing history of drama written from Classical period to contemporary period
- Acquaint and sensitize students with historical, political and social context related to American Literature, Indian Literature in Translation, Literature of Partition, Holocaust and the Marginalized people
- Introduce students to styles of women writers by analysing literature written by them
- Improve the writing skills of the students by training them in the nuances of creative writing
- Enhance research aptitude by introducing students to Research Methodology- I & II

MENG 301: CRITICAL THEORY

Course Outcome: After the successful completion of this course, students will be able to:

- Examine historical contexts for understanding of contemporary theory and criticism
- Understand major critical movements and theorists in relation with contemporary issues
- Analyse critical methodologies and framework for the interpretation of Literature
- Strengthen critical reading and ability to understand critical approaches
- Understand the shifts in literary interpretations and critical approaches
- Analyse and understand the prescribed critical theories while reading texts across genres

MENG 302: MULTICULTURAL LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the societal shift towards multiculturalism
- Appreciate the diversity of different cultures and concepts related to multiculturalism
- Enhance knowledge and critical understanding of cross-cultural authors and texts
- Understand the barriers to intercultural social communication
- Increase cultural awareness, encourage and promote inter-cultural understanding
- Develop empathy and celebration of cultures

MENG 303: DRAMA FROM CLASSICAL TO MODERN

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the different concepts and terms related to drama
- Appreciate the aesthetic qualities and ethical complexities of the plays of the period
- Interpret and understand drama through both literary and dramatic lenses
- Help students understand the dynamic relationship between actors and audience
- Study dramatic texts as social documents, literary forms and performing art
- Appreciate the transition from passive spectatorship to a more active and vital participatory process visible in newer forms

MENG 304: (OPTION A): LITERATURE OF THE MARGINS

Course Outcome: After the successful completion of this course, students will be able to

- Develop an understanding of the marginalized sections in the society: Dalits, Women and Tribals

Analyse the socio-political and economic oppression of the marginalized people by the dominant classes and understand their pain and vulnerability
Explore the resistance movements among the marginalized sections of the society as they face oppression by the elite
Explore the ways through which marginalized people can gain their rights and equal opportunities
Understand the psychological aspects related to marginalization
Understand the outcomes of resistance and revolts

MENG 304: (OPTION B): AMERICAN LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

Understand the major historical and cultural developments; attitudes and mores in literary field of America
Develop the ability to appreciate and evaluate the literary merits of American Literature
Analyse the selected texts by American authors to understand what they reflect and reveal about American experience and character
Develop insights into different cultural backgrounds of American literary movements
Exploring diverse narratives that reflect American societal dynamics
Develop an appreciation for the diversity of cultures, identities and perspectives within American Literature

MENG 304: (OPTION C): RESEARCH METHODOLOGY -I

Course Outcome: After completion of this course the students shall be able to:

Understand and apply the knowledge of research
Develop their interest to pursue research in higher education
Develop the interest in reviewing and analyzing literature from the critical point of view
Write research papers on primary and secondary sources
Qualify various competitive exams
Understand the meaning of research ethics and plagiarism

MENG 304: (OPTION D): WOMEN'S POETRY AND FICTION

Course Outcome: After the successful completion of this course, students will be able to:

Develop the understanding of literature written by women authors
Gain insights into key concepts like Sex, Gender, and Women's Liberation Movements
Gain gender sensitization through analysis of the selected novels and poetry written by Women that focus on Women's experiences and lives
Understand the different developments, themes and narrative strategies of women's writings
Exploring the diverse voices, identities and perspectives within the literary landscapes
Engaging with gender dynamics, societal expectations and feminist themes contribution to a deeper understanding of gender representation in literature

MENG 401: GENDER AND CULTURAL STUDIES

Course Outcome: After the successful completion of this course, students will be able to:

Develop the ability to use critical, analytical and reflective thinking along with reasoning
Cultivate a critical approach to the study of culture, articulating the relations between culture, power and history
Identify the importance of gender, power, privilege and oppression across a range of cultures and human experiences in day to day life and its reflection in literature
Understand the critical debate over concepts of "identity", "sex" and "gender"
Introspect on the gendered experiences across the spectrum of daily life and understand power relations through gender lens
Demonstrate an understanding of gender as it intersects with sexuality

MENG 402: POST-COLONIAL LITERATURE AND THEORY

Course Outcome: After the successful completion of this course, students will be able to:

Gain knowledge regarding the theoretical concepts related to post-colonial literature
Develop critical thinking in relation to post-colonial theory
Understand the key authors, literary forms and key concepts related to post-colonial literature
Gain knowledge regarding history of decolonization
Understand the process and complications of neocolonialism
Gain insight into the psychological aspects related to oppression and exploitation

MENG 403: INDIAN WRITING IN TRANSLATION

Course Outcome: After the successful completion of this course, students will be able to:

- Develop an understanding of methods and techniques of translation
- Attain accessibility to regional and international literary forms
- Analyse the impact of social, political and economic factors on the translations
- Enhance the knowledge and get exposure of tradition, translation, and theorization of Indian Literature in English Translation
- Develop a comparative perspective while studying a text
- Connect with various literary texts written in other languages

MENG 404: (OPTION A): LITERATURE OF PARTITION AND HOLOCAUST

Course Outcomes: After the successful completion of this course, students will be able to:

- Understand and be sensitized about partition of India and its violent consequences
- Develop better understanding of Partition Violence which had demographic and literary fallout
- Understand the reason regarding demographic changes and spurt in migration after Partition of India
- Understand holocaust and its historical, social, political, economical and cultural contexts
- Understand the Nazi Ideology and its impact on the events of the holocaust
- Empathize with the psychological, physical, and emotional pain of the victims of Partition Violence and Holocaust

MENG 404: (OPTION B) CREATIVE WRITING

Course Outcome: After the successful completion of this course, students will be able to:

- Understand, analyse and effectively use the conventions of the English Language
- Understand and respond thoughtfully and critically to creative writing
- Understand critical positions and literary arguments which enhances students' own critical and aesthetic sense
- Develop expressive proficiency in various creative writing forms
- Develop an ability to create narratives, poetry and prose
- Develop the skills in character development and plot construction

MENG 404: (OPTION C): RESEARCH METHODOLOGY -II

Course Outcomes: After completion of this course the students shall be able to:

- Identify different theoretical assumptions and practices in literature
- Understand the concept and genres of New Literatures
- Understand the background and rise of Multicultural Literature
- Acquainted with the Indian writings in Translation
- Critically perceive and comprehend the key concepts in critical theory
- Understand the basic principles of writing research papers and thesis

MENG 404: (OPTION D): POPULAR LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

- Learn about the distinctive features of popular literature
- Discern differences between the canonical and the popular
- Understand the representativeness of the popular literary texts
- Evaluate the literary, historical, cultural and aesthetic merits of popular literature
- Gain insight into popular literature's reflection of cultural trends, values and societal norms
- Exploring how popular literature influences and is influenced by broader cultural dynamics

B.A. Honors in English

Programme Outcome (PO):

The Programme facilitates the students to equip themselves with progressive vision and cultural insights. The students can pursue Masters in English or opt for a career in Journalism, Psychology, Philosophy, Film and Media, Cinematic Studies etc. English Communication Skills are also taught to the students and efforts are made to train them to be proficient in speaking, reading, listening and writing skills. This enables the students to be good speakers, anchors, writers, debaters and editors. Students can also appear for competitive examinations with a more sound knowledge of English language. English is a language of opportunities and employment, and it opens a plethora of career opportunities for the students like teaching, proof-reading, journalism, anchoring, theatre, technical writing, advertising, script writing, public relations etc.

Programme Specific Outcome (PSO 1):

Enhance the knowledge of students in different literary traditions, genres, literary movements and styles
Build an inter-cultural understanding by analyzing cross cultural English literary texts
Learn innovative use of language employed by the writers which will enhance literary and linguistic proficiency of the students
Understand literary, historical and cultural concerns during the different ages
Develop critical thinking, professional writing skills and effective oral communication

BHENG 101: WORLD CLASSICAL LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

Develop insights into human history across the world during Classical period as depicted in literature
Develop critical thinking ability
Understand the thematic concerns of writers during Classical period
Develop an ability to read and analyse a variety of classical literary texts belonging to different countries
Understand the inter-cultural issues and concerns during Classical period
Develop an ability of making comparative study between different literatures of the world

BHENG 102: INDIAN WRITING IN ENGLISH

Course Outcomes: After the successful completion of this course, students will be able to:

Analyse Indian literary sensibility through the study of major modern authors in Indian literature in English
Understand how Indian Writing in English evolved as genre
Understand the major thematic concerns of Indian writers
Get familiar to the major movements and trends during the history of Indian literature
Explore the intricacies of Indian culture through the study of Indian English texts
Explore the ever changing themes in Indian writing in English

BHENG 103: WOMEN'S WRITING

Course Outcome: After the successful completion of this course, students will be able to:

Explore the social, economic, political and cultural concerns related to women in the countries across the world
Understand the concept of gender formation in different societies
Analyse the oppression of women in patriarchal societies
Trace the changes in the status of women over different periods in history
Understand the thematic concerns of Indian women writers
Understand the concepts related to gynocriticism

BHENG 105: ENVIRONMENT & ROAD SAFETY AWARENESS

Course Outcome: After the successful completion of this course, students will be able to:

Understand the concerns related to environment and its sustenance
Anticipating future problematic issues emerging with technological advances
Acquiring knowledge of road signs, speed limits and other traffic regulations
Develop awareness regarding road safety and precautionary measures
Analyse the possible solutions for environment related problems and traffic hazards
Gaining skills in handling emergency situation on the road

BHENG 201: EUROPEAN CLASSICAL LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

Familiarize themselves with Greek and Roman writers and their style of writing
Develop an understanding regarding European culture in the Classical period
Enhance their knowledge regarding major genres of tragedy and comedy in plays
Develop theoretical understanding of literature in the works of Classical writers
Explore the thematic concerns of European writers during Classical period
Trace the changes in classical literature from Greek period to Roman period

BHENG 202: BRITISH POETRY AND DRAMA: 14th TO 17th CENTURY

Course Outcome: after the successful completion of this course, students will be able to:

Understand the works written by major British writers during this period
Have knowledge about the literary movements and trends during this period
Understand political, social, economic and religious issues as depicted in the literature written during this period

Explore the literary genres of poetry and drama and the major concepts related to these genres
Develop an ability to differentiate between different styles of British poetry
Understand the features of Elizabethan drama

BHENG 203: MEDIA AND COMMUNICATION SKILLS

Course Outcomes: After the successful completion of this course, students will be able to:

- Develop an understanding of communication skills and its increasing importance
- Improve their professional writing skills
- Prepare themselves for future career in Mass Media, Mass Communication and International jobs
- Understand and analyse media effects on various sections of society
- Relate to emerging trends in the field of Journalism
- Understand the role of public opinion in the formal structuring of Mass Media programmes

BHENG 205: TECHNICAL WRITING

Course Outcome: After the successful completion of this course, students will be able to:

- Enhance technical writing skills through report writing, letter writing, proposal writing etc.
- Develop knowledge regarding business communication
- Prepare themselves for the jobs of editors, proof readers, and creative writers
- Summarize larger texts in precise style for practical application
- Explore different formats of business communication
- Practice professional writing styles for business transactions

GN-201: DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge regarding the menace of drug addiction, its problems, and the ways to prevent it
- Recognizing different types of substances and their effects on body & mind
- Identifying factors that contribute to drug abuse and learn preventing strategies
- Understanding health consequences of drug abuse
- Exploring the role of psychological, social and environmental factors which influence drug abuse
- Understanding the processes involved in recovery and rehabilitation

B.A. HONOURS IN ENGLISH (Part II)

Programme Specific Outcome (PSO 2):

- Develop better understanding of literature by focusing on different ethnicities, religions and cultures
- Gain knowledge regarding popular literature in order to understand the interests of common people
- Explore the relationship between language, literature and culture
- Have knowledge about the basic concepts in the field of Psychology
- Make a comparative analysis between popular literature and high or classical literature

BHENG 301 - American Literature

Course Outcome: After the successful completion of this course, students will be able to:

- Enhance their understanding of historical, cultural and social contexts in prescribed American literary texts
- Gain knowledge about the conflicts, issues, and preoccupations of American Literature
- Appreciate the cultural diversity and to know about the American identities formed at the backdrop of different social and geographical landscapes
- Become better equipped with tools to analyse the connection as well as discord between American Literature and other literatures
- Understand various aspects of American society through the analysis of American texts
- Develop appreciation of literature as signpost of a culture

BHENG 302 – Popular Literature

Course Outcome: After the successful completion of this course, students will be able to:

- Appreciate literary texts intended for the masses and to develop an understanding of mass culture
- Enhance their understanding regarding why these texts have mass appeal
- Gain knowledge about popular literature as a literary genre
- Develop an ability to compare popular literature and classical literature
- Understand the roots of horror- romance and allegorical novels in literature

Analyse the thematic concerns of gender and identity in literature

BHENG 303 – British Poetry and Drama: 17th to 18th Century

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the social and historical contexts during this period
- Understand a range of literary terms
- Gain knowledge about the religious and secular thought process prevalent in 17th and 18th century British literature
- Identify key elements distinctive to the historical literary texts during this period
- Understand different features of Neoclassicism and its influence on English society
- Appreciate the difference between Restoration comedy and Comedy of manners

BHENG 304 – Language, Literature and Culture

Course outcome: After the successful completion of this course, students will be able to:

- Develop basic understanding regarding literature, its genres and its relation to society.
- Gain understanding of origin of languages.
- Explore the importance of the connection between language, literature and culture.
- Analyse the role of literature and culture in future progress of society
- Cultivate language skills of students by introducing them to structures of language through a wide variety of literary works
- Understand works written by different sections of people and give critical responses from different perspectives

BHENG 305 – Psychology

Course Outcome: After the successful completion of this course, students are able to:

- Identify theoretical underpinnings of the major areas of psychology
- Explore cognitive development in thought, memory and perception
- Understand the basic psychological processes and their applications in everyday life
- Understand different theoretical perspectives in psychology
- Understand basic brain functions and their role in human behavior with the elaboration on brain dysfunction and its impact on human behavior
- Understand biological and social impact on personality with the application of various approaches to personality

BHENG 401 – British Literature: 18th Century

Course Outcome: After the successful completion of this course, students will be able to:

- Examine how study of 18th century British literature and culture enhances understanding of education, class, sexuality, nature, economics etc. prevalent during that period
- Explore the works under British literature and appreciate their richness
- Develop an understanding of 18th century British literature within its cultural and historical context
- Analyse 18th century literature from a variety of critical and theoretical framework
- Analyse the mechanisms of canon formation and import of canonicity within literary studies
- Recognize and analyse 18th century British literature within broader literary contexts

BHENG 402 –British Romantic Literature

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge regarding development in art and literature spanning the late 18th and early 19th century
- Investigate various styles and genres in which Romantic writing was produced
- Understand the broad ideas related to the social and historical context of British romantic literature
- Understand the difference between Neoclassical writings and Romantic writings
- Understand the concept of nature as expressed by the Romantic poets in literature
- Appreciate the simplicity and lucidity of expression of poets in romantic literature

BHENG 403 – Literature and Cinema

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge about the major movements in world cinema
- Learn about the different ways of reading a text engaging with the unique nature of the language of cinema
- Gain an interdisciplinary perspective that illuminates the convergence of narrative techniques storytelling modes and visual elements in both mediums
- Enhance their potential for understanding cross cultural dialogues among different ethnicities

Explore the dynamic relationship between literary texts and their cinematic adaptations
Understand different religious, social and cultural connections between literature and cinema

BHENG 404 – Modern Indian Writing in English Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Contextualize different texts in various languages
- Develop a comparative perspective while studying a text
- Understand social, political and cultural issues reflected in Indian Writing in English
- Get a glimpse of the regional literatures translated in English
- Provide an overview of the various phases of the evolution of Indian writing in English
- Introduce students to the thematic concerns, genres and trends of Indian writing in English

BHENG 405 – Psychology

Course Outcome: After the successful completion of this course, students will be able to:

- Identify theoretical underpinnings of the major areas of psychology
- Explore cognitive development in thought, memory and perception
- Understand the concept and process of human development across the lifespan
- Understand the various domains of human development like moral development, social development, language development, cognitive development etc.
- Develop sensitivity to social and cultural context of human development
- Understand the psychological thought, issues and debates in contemporary psychology

B.A. HONOURS IN ENGLISH PART-III

Programme Specific Outcome (PSO3):

- Gain insights in British literature from 19th to early 20th Century
- Acquire knowledge regarding literary criticism to enhance better understanding of texts with the help of different critical approaches
- Understand the contemporary issues, gender relationships and human rights
- Understand the ideologies of different philosophers which help them in a better understanding of life and society
- Gain knowledge about Post-Colonial Literature and to describe the interactions between European nations and the countries they colonized
- Acquire deeper insights regarding diverse concepts and theories of Translation Studies

BHENG 501: BRITISH LITERATURE 19th CENTURY

Course Outcome: After the successful completion of this course, students are able to:

- Acquaint themselves with fiction and poetry during 19th century British literature
- Gain understanding of political, economic, social and intellectual background of this period through the analysis of prescribed texts
- Understand the emergence of novel as a leading literary genre
- Explore the increasing role of women as authors and readers
- Explore the works written by Victorian realists
- Gain theoretical insights and critical inputs to better understand the literary trends prevalent in 19th century

BHENG 502: BRITISH LITERATURE: THE EARLY 20th CENTURY

Course Outcome: After the successful completion of this course, students will be able to:

- Explore early 20th century British literature to understand cultural shifts intellectual movements and societal changes of the period
- Examine how literature reflects the dynamic interplay between tradition and modernity
- Analyse innovative literary forms and styles in British literature including modernist experimentation, stream of consciousness and socio-political critiques
- Enhance appreciation for 20th century's diverse literary expressions
- Develop contextual understanding of historical events and intellectual currents shaping early 20th century British literature
- Understand the effect of nationalist movements on writers in Britain

BHENG 503: LITERARY CRITICISM

Course Outcome: After the successful completion of this course, students will be able to:

Develop literary sensibility, critical thinking and an acute and penetrating understanding of literary criticism
Enhance knowledge regarding wide range of literary texts
Develop understanding about how to apply theoretical approach while reading a literary text
Explore literary criticism in context to romantic literature
Understand the changes in critical concepts during modern period
Explore new criticism and feminist criticism

BHENG 504: GENDER AND HUMAN RIGHTS

Course Outcome: After the successful completion of this course, students will be able to:

Understand the contemporary issues related to Gender Studies and Human Rights
Develop better understanding about the need of equality of gender
Understand the international rules framed by UN
Understand the core principles related to non-discrimination and equality under the Law
Explore the protection and promotion of women's rights as a responsibility of all states
Understand the importance of inclusion of women in policy making bodies

BHENG 505: PHILOSOPHY

Course Outcome: After the successful completion of this course, students will be able to:

Apply philosophical concepts to the analysis of literary works
Gain knowledge about the philosophical concepts of great philosophers during different periods
Acquaint themselves with western philosophers, major movements, issues and philosophical ideologies of modern era
Understand philosophical methods related to questioning, critical discussion, rational argument and systematic presentation
Explore natural philosophy, moral philosophy and metaphysical philosophy
Develop an ability to compare Greek philosophers with modern philosophers

BHENG 601: MODERN EUROPEAN DRAMA

Course Outcome: After the successful completion of this course, students will be able to:

Familiarize themselves with different insights, experiments, techniques used in modern drama
Gain knowledge regarding various modern European playwrights and their theories
Analyse characters on the basis of the contemporary political, economic, social concerns
Explore the works related to Theatre of the Absurd
Understand diverse interpretations of dramatic interactions
Explore modern European drama for its innovative theatrical techniques

BHENG 602: POST COLONIAL LITERATURE

Course Outcome: After the successful completion of this course, students will be able to:

Focus on prose, poetry, fiction and drama written by post-colonial writers
Acquaint themselves with various issues such as migration, slavery, oppression, resistance, gender, race and ethnicity
Understand themes related to colonialism, independence, and capitalism as represented in literary texts
Develop an ability to understand relationship between diaspora literature and post-colonial literature
Understand the issues related to cultural imperialism
Understand the impact of colonialism on national identity, language and literature

BHENG 603: LITERARY THEORY

Course Outcome: After the successful completion of this course, students will be able to:

Gain deeper knowledge regarding the nature of literature as a whole
Acquaint themselves with different theories such as Marxism, Feminism, Post structuralism etc.
Understand the interdisciplinary relation between literary theory and cultural studies
Understand the emergence of literary theory as a popular field in post-colonial period
Gain understanding of historical roots of literary theory in writings of classical period
Critically analyse literary texts using diverse theoretical frameworks

BHENG 604: TRANSLATION STUDIES

Course Outcome: After the successful completion of this course, students will be able to:

- Connect themselves with various literary texts written in other languages
- Become tolerant towards other cultures and ethnicities
- Familiarize themselves with worldwide famous writers
- Develop a comparative perspective while studying a text
- Explore modern Indian literary works produced in regional languages
- Get an insight into the polyphony of Modern Indian Writing in translation

BHENG 605: PHILOSOPHY

Course Outcome: After the successful completion of this course, students will be able to:

- Apply philosophical concepts to the analysis of literary works
- Gain knowledge about the philosophical concepts of great philosophers during different periods
- Acquaint themselves with western philosophers, major movements, issues and philosophical ideologies of modern era
- Understand philosophical methods related to questioning, critical discussion, rational argument and systematic presentation
- Explore natural philosophy, moral philosophy and metaphysical philosophy
- Develop an ability to compare Greek philosophers with modern philosophers

ONE YEAR INTENSIVE DIPLOMA IN FRENCH

Programme Outcome (PO):

Intensive Diploma French Programme offers an intensive study of French language and literature at senior secondary education level. Through this course students are facilitated to equip themselves with progressive vision of cultural insights. They can express their feelings in French language. They can get a new vision of the world by learning French. It provides them with the job opportunities of a Translator, Interpreter, Teacher, and Corporate Trainer.

Applied Grammar and Comprehension

Course Outcome: After the successful completion of this course, students will be able to:

- Construct simple sentences in French using accurate rudiments of syntax and grammar
- Gain elementary knowledge of French sentence structure through speaking and writing

Creative Writing and Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Enhance their writing skills which will enable them to write effectively in French
- Understand the concepts and complexities related to translation

Literature and Civilization

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge about the civilization and literature of France
- Explore French literature and civilization to understand the cultural nuances of France

Viva Voce

Course Outcome: After the successful completion of this course, students will be able to:

- Develop speaking skills in French language
- Converse effectively in French language
- Develop reading skills in French language

Applied Grammar and Comprehension

Course Outcome: After the successful completion of this course, students will be able to:

- Gain proficiency in constructing simple sentences in French using accurate rudiments of syntax and grammar
- Develop proficiency in elementary knowledge of French sentence structure through speaking and writing

Creative Writing and Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Gain proficiency in writing skills, enabling them to write effectively in French
- Develop a deep understanding of the concepts and complexities related to translation

Literature and Civilization

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge about the civilization and literature of France
- Explore French literature and civilization to understand the cultural nuances of France

Viva Voce

Course Outcome: After the successful completion of this course, students will be able to:

- Develop speaking skills in French language
- Converse effectively in French language
- Develop reading skills in French language

Advanced Diploma in French

Programme Outcome (PO)

Advance Diploma French Programme offers an intensive study of French language and literature at graduate level. Through this course students are facilitated to equip themselves with progressive vision of cultural insights. They can express their feelings in same language. They can get a new vision of the world by learning French. It provides them with the job opportunities in Travel, Tourism, Leisure & Hospitality Industry in BPO, IT, Call Centers etc.

Applied Grammar and comprehension

Course Outcome: After the successful completion of this course, students will be able to:

- Covers major grammatical patterns of French and focus on increasing proficiency in French
- Use variety of accurate sentence structures and write effective and coherent paragraphs

Written Expression and Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Exposure to the artistic and innovative use of French language
- Enhance their literary and linguistic proficiency of French language

Contes Et Nouvelles

Course Outcome: After the successful completion of this course, students will be able to:

- Demonstrate an ability to read and understand a variety of French literary texts
- Familiarize with the styles of different French authors
- Understand history, anthropology, beliefs and gain insights in French culture

Viva Voce

Course Outcome: After the successful completion of this course, students will be able to:

- Develop speaking skills in French language
- Converse effectively in French language
- Develop reading skills in French language

Applied Grammar and Comprehension

Course Outcome: After the successful completion of this course, students will be able to:

- Understand major grammatical patterns of French and focuses on increasing proficiency
- Use variety of accurate sentence structures and write effective and coherent paragraphs

Written Expression and Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Gain exposure to the artistic and innovative use of French language.
- Develop literary and linguistic proficiency in French language.

Theatre

Course Outcome: After the successful completion of this course, students will be able to:

- Gain knowledge about the works of various French playwrights
- Develop profound knowledge of the political, social, economic concerns of the French society

Viva Voce

Course Outcome: After the successful completion of this course, students will be able to:

- Develop speaking skills in French language
- Converse effectively in French language
- Develop reading skills in French language

B.A.

English Communication Skills

Semester I

Course Outcome: After the successful completion of this course, the students will be able to:

- Develop language proficiency and flair for English literature
- Develop accuracy in the use of English language
- Build vocabulary to use in common situations in life
- Acquaint with the ideas of writers of diverse cultures
- Familiarize with the technique of stories and characterizations
- Acquaint with the significance of translation

Semester II

Course Outcome: After the successful completion of this course, the students will be able to:

- Familiarize with the genre of poetry
- Acquaint with the rhythm, metrics and other musical aspects of poetry
- Understand, interpret and critically analyze selected poems by different poets
- Familiarize with the techniques of writing paragraphs and advertisements
- Develop communication skills
- Build vocabulary to use in their daily lives

Semester III

Course Outcome: After the successful completion of this course, the students will be able to:

- Familiarise with the inspirational thoughts of well-known personalities of the world
- Familiarise with the grammatical structures of the language to use in their daily life
- Enhance their reading skills through comprehension

Semester IV

Course Outcome: After the successful completion of this course, the students will be able to:

- Familiarise with six plays of various playwrights
- Learn how to analyse unfamiliar words by understanding the structure of the English Language
- Improve writing skills of the students through essay writing, note making and summarizing
- Enhance their vocabulary

Semester V

Course Outcome: After the successful completion of this course, the students will be able to:

- Get acquainted with the poetry of various poets
- Understand and appreciate poetry as a literary art form
- Familiarize with the genre of poetry
- Familiarize with well-known personalities of the world
- Enhance their writing skills through Resume Writing, Report Writing and Email Writing
- Build their vocabulary to use in their daily lives

Semester VI

Course Outcome: After the successful completion of this course, the students will be able to:

- Broaden their views regarding various religious and social issues prevailing in the society through the reading of prescribed text
- Familiarize with the genre of Drama
- Enhance their knowledge of language proficiency by translating sentences
- Sharpen their thinking ability by developing story from hints
- Enhance their writing skills through Letter Writing and Precis Writing
- Enlarge their vocabulary

B.A.

Functional English

Semester I

Course Outcome: After the successful completion of this course, students will be able to:

- Demonstrate skills, competencies and procedural knowledge of functional English
- Understand the mechanics of writing in English language
- Select correct interpretations and solutions to conceptual problems related to writing skills.
- Enrich their knowledge of writing complete, concise, concrete and clear business or official letters
- Enhance their reading and writing skills.
- Understand the factors that influence use of grammar and vocabulary in speech and writing

Semester II

Course Outcome: After the successful completion of this course, students will be able to:

- Improve English pronunciation skills
- Understand the syllable, word stress and consonant clusters in English
- Acquire advanced knowledge of phonemes and phonemic transcription
- Enhance their reading and writing skills.
- Understand the factors that influence use of grammar and vocabulary in speech and writing.
- Understand the accent and rhythm in connected speech or the sentence stress

Semester III

Course Outcome: After the successful completion of this course, students will be able to:

Equip with the Listening, Speaking, Writing and Reading skills of English language
Develop fluency in conversation and efficiency in interactional skills
Understand the mechanism of speech
Practice imaginative features of speech.
Practice grammar rules for functional usage
Practice report writing for professional purposes

Semester IV

Course Outcome: After the successful completion of this course, students will be able to:

Understand the working pattern of electronic media
Familiarize with the basic techniques of broadcasting
Equip with the communication skills in English language
Understand regional variations in language
Understand the role of Media in communication
Learn script writing for media

Semester V

Course Outcome: After the successful completion of this course, students will be able to:

Acquire the listening skills to comprehend and adequately respond to the English spoken in different parts of the world
Learn about the basic aspects of Information Technology and Computers
Inculcate an awareness of the basic theories and concepts related to communication
Enhance the general knowledge of students regarding sports cricket and football.
Equip with the communication skills in English language
Understand the mechanics of script and news writing in English language

Semester VI

Course Outcome: After the successful completion of this course, students will be able to:

Understand the nature of entrepreneurship
Understand the function of the entrepreneur in the successful, commercial application of innovations
Enhance personal attributes that enable best use of entrepreneurial opportunities
Acquaint with entrepreneurial leadership and management style.
Demonstrate skills, competencies and procedural knowledge
Understand the mechanics of marketing and sales management

B.A.I

English Literature

Course Outcome: After the successful completion of this course, students will be able to:

Learn about literary terms related to prose and poetry
Appreciate various genres of literature
Understand and appreciate prose as a literary art form
Appreciate epistemology of various periods
Acquaint students with artistic merits of poetry and prose
Teach the importance of literature in the present time

Semester II

Course Outcome: After the successful completion of this course, students will be able to:

Learn about literary terms related to fiction
Study the stories written by prominent storywriters
Understand history of English literature
Explore the relationship of literature with society
Teach the importance of literature in the present time
Familiarize with genre of Novel

Semester III

Course Outcome: After the successful completion of this course, students will be able to:

Appreciate the literary masterpieces and be enriched with the awareness of the creative experience
Recognize and make themselves aware of different genres like drama, poetry, novel etc.
Develop an understanding of the human condition to convey personal, social and cultural meanings through drama
Develop an understanding of the cultural traditions and social contexts of drama and theatre

Semester IV

Option 1: From Metaphysical to Romantic Period

Course Outcome: After the successful completion of this course, students will be able to:

- Gain an insight into the philosophy, the creative imagination and techniques of authors like Alexander Pope, S.T. Coleridge etc.
- Gain a perspective of the literary trends in Neoclassical and Romantic Period
- Appreciate the nuances of poetic language and poetic devices used in the poetry of these eras
- Develop their critical thinking to analyze the poems

Option 2: Popular Literature

Course Outcome: After the successful completion of this course, students will be able to:

- Critically appreciate literary texts intended for the masses and to develop an understanding of mass culture
- Enhance their understanding regarding why these texts have mass appeal
- Gain knowledge about popular literature as a literary genre evolved after the development in technology and mass media

Option 3: Translation Studies

Course Outcome: After the successful completion of this course, students will be able to:

- Connect themselves with various literary texts written in other languages
- Become tolerant towards other cultures and ethnicities
- Familiarize themselves with worldwide famous writers

Semester V

Course Outcome: After the successful completion of this course, students will be able to:

- Study the literary movements and trends in Victorian and Modern periods in British Literature
- Acquaint with literary terms pertaining to this period
- Learn the four genres of prose, poetry, drama and novel through the study of literary works
- Understand the structure and figurative speeches of the poems
- Apply theoretical approaches while analyzing the literary texts
- Understand the growth of feminist theory during Modern period

Semester VI

Option I: Critical Essays

Course Outcome: After the successful completion of this course, students will be able to:

- Develop critical thinking in students
- Develop attitudes that can help generate self-confidence, attentiveness and truth-seeking
- Develop skills of problem solving, decision making, rationality and meta- cognition
- Develop analytical and reasoning ability
- Explore and evaluate the merits and weaknesses of different pieces of a work of art
- Interpret the connotations in a critical work

Option-II- Travel Writing

Course Outcome: After the successful completion of this course, students will be able to

- Understand the genre of travel writing
- Develop a good sense of how accomplished travel writers successfully present their travel
- Understand the historical aspects of travel literature
- Familiarize with the skills and practices of travel literature
- Analyze and interpret thematic concerns of major travel writers
- Understand the structure of a travel writing narrative

Option-III Women's Writing

Course Outcome: After the successful completion of this course, students will be able to:

- Explore the social, economic, political, intellectual and cultural concerns related to women in the countries across the world
- Analyze the oppression of women in patriarchal societies
- Understand the concept of gender formation in different societies
- Understand the concepts related to gynocriticism
- Understand the thematic concerns of Indian women writers
- Trace the changes in the status of women over different periods of societies

Course Outcome: After the successful completion of this course, students will be able to:

- Develop fluency and language competency
- Develop flair for correct pronunciation
- Develop language skills for career in Language

3 Months Certificate Course in Translation

Course Outcome: After the successful completion of this course, students will be able to:

- Understand the skills to become a professional translator and the competency associated with it
- Evaluate personal language skills
- Undertake a translation activity

3 Months Certificate Course in Creative Writing

Course Outcome: After the successful completion of this course, students will be able to:

- Understand creative writing forms and techniques
- Demonstrate their ability to write in the genre of their choice
- Produce a professional creative work

M. Sc. Fashion Designing- I Semester-II

Course Outcome: After the successful completion of this course, the students will be able to:

Position themselves in a global fashion scenario through effective communication skills
Make presentations on topics of study in field-specific language
Learn speaking skills through group discussion
Demonstrate skills, competencies and procedural knowledge

M.Sc. Agriculture- Agronomy/ Horticulture (Vegetable Science) –I Semester- II

PGS502: Technical Writing and Communication Skills

Course Outcome (CO1): After the successful completion of this course, the students will be able to:

Write their dissertation without any grammatical and syntactical error
Pronounce words correctly with the help of IPA symbols
Improve their speaking skills

B.Sc Medical/ Non-Medical / Biotech/ CSM-I English Communication Skills Semester- I

Course Outcome: After the successful completion of this course, students will be able to:

Learn the historical and cultural contexts of the speeches
Develop a critical understanding to build innovative perspectives
Understand the factors that influence use of grammar and vocabulary in speech and writing.
Enhance their reading and writing skills
Build competence in oral communication
Recognize and incorporate grammar rules including parts of speech, verb, tenses, subject verb Agreement

Semester-II

Course Outcome: After the successful completion of this course, students will be able to:

Write various types and formats of letters and banners to meet particular needs or purposes
Enhance practice in objective and subjective writing
Increase vocabulary through the study of word parts, use of context clues, and practice with a Dictionary
Analyse poetic works for their structure and meaning, using correct terminology
Familiarize with the genre of poetry
Develop strong writing and communication skills

B.Sc Hons. Physics/Chemistry/Maths-I English Communication Skills Semester- I

Course Outcome: After the successful completion of this course, the students will be able to:

Understand the genre of play
Understand human psychology and express ideas through play
Familiarize with the grammatical structures of the language to use in daily life
Improve writing skills through Letter writing, note making and summarizing
Enhance vocabulary
Enhance Communication Skills

B.Sc Hons. Chemistry/Maths-I

Semester-II

Course Outcome: After the successful completion of this course, the students will be able to:

Understand the rhythm, metrics and other musical aspects of poetry
Read and discuss selected poems by different poets
Understand and appreciate poetry as a literary art form
Enhance knowledge of language proficiency by translating sentences
Sharp thinking ability by developing story from hints
Enhance vocabulary

B.Sc Hons. Agriculture- I

Comprehension and Communication Skills in English

Semester I

Course Outcome: After the successful completion of this course, the students will be able to:

Enhance their reading, writing, listening and speaking skills in English Understand how to select, organize and collect data and information that is particularly relevant and important to a deeper understanding of the subject
Enrich their knowledge of writing complete, concise, concrete and clear paragraphs and reports
Recognize and incorporate proper grammar and mechanics of writing including parts of speech, verb tense, subject-verb agreement, word choice, spelling, commas, and other punctuation
Gain knowledge to analyse a written text critically
Build and enrich their vocabulary

BCA-I, II, III

English Communication Skills

Semester- I

Course Outcome: After the successful completion of this course, students will be able to:

Learn the historical and cultural contexts of the speeches
Develop a critical understanding to build innovative perspectives
Understand the factors that influence use of grammar and vocabulary in speech and writing.
Enhance their reading and writing skills
Build competence in oral communication
Recognize and incorporate grammar rules including parts of speech, verb, tenses, subject verb Agreement

Semester-II

Course Outcome: After the successful completion of this course, students will be able to:

Write various types and formats of letters and banners to meet particular needs or purposes
Enhance practice in objective and subjective writing
Increase vocabulary through the study of word parts, use of context clues, and practice with a Dictionary
Analyse poetic works for their structure and meaning, using correct terminology
Familiarize with the genre of poetry
Develop strong writing and communication skills

Semester III

Course Outcome: After the successful completion of this course, the students will be able to:

Broaden their views regarding social issues prevailing in the society
Get to know about various techniques used in a play and different situations of life
Heighten their awareness of correct usage of English grammar in writing and speaking
Enlarge their vocabulary
Strengthen their ability to write proper sentence structure
Enhance their writing skills through Letter Writing and Paragraph Writing

Semester IV

Course Outcome: After the successful completion of this course, the students will be able to:
Get acquainted with renowned writers and read their stories written on various aspects of life
Heighten their awareness of correct usage of English grammar in writing and speaking
Enlarge their vocabulary
Strengthen their ability to write with proper sentence structure and right usage of Vocabulary
Enhance their writing skills through Note making
Enhance their communication skills through Class discussion

Semester V

Course Outcome: After the successful completion of this course, students will be able to:
Gain knowledge to analyse a written text critically
Enhance practice in objective and subjective writing
Increase vocabulary through the study of word parts, use of context clues, and practice with a dictionary
Build and enrich their vocabulary
Enhance their reading, writing, listening and speaking skills in English
Improve writing skills through essay writing and translation

Semester VI

Course Outcome: After the successful completion of this course, students will be able to:
Gain knowledge to analyse a written text critically
Enhance practice in objective and subjective writing
Increase vocabulary through the study of word parts, use of context clues, and practice with a dictionary
Build and enrich their vocabulary
Enhance their reading, writing, listening and speaking skills in English
Improve writing skills through Email writing, Précis writing and Translation

B.A Hons. Social Sciences- I, II, III **Communicative English**

Semester I

Course Outcome: After successful completion of this course, the students will be able to:
Understand the social significance of English Language
Develop writing skills to suit general social occasions
Build vocabulary to gain language proficiency
Analyse poetic works for their structure and meaning, using correct terminology
Familiarize with the genre of poetry
Develop strong communication skills

Semester II

Course Outcome: After successful completion of this course, the students will be able to:
Develop a solid foundation of English speaking skills
Develop writing skills to use appropriate language for official purposes
Build vocabulary to gain language proficiency
Get acquainted with renowned writers and read their stories written on various aspects of life
Heighten their awareness of correct usage of English grammar
Strengthen their ability to write with proper sentence structure and right usage of Vocabulary

Semester III

Course Outcome: After successful completion of this course, the students will be able to:
Gain knowledge to analyse a written text critically
Understand the genre of one-act play
Increase vocabulary through the study of one word substitution and figurative expressions
Understand the grammatical structures of the English language
Enhance their reading, writing, listening and speaking skills in English
Improve writing skills through paragraph writing and précis writing

Semester IV

Course Outcome: After successful completion of this course, the students will be able to:
Get acquainted with different orators and their philosophy of life
Increase vocabulary through the study of one word substitution and figurative expressions

Understand the grammatical structures of the English language
 Enhance their reading, writing, listening and speaking skills in English
 Improve writing skills through essay writing and development of story
 Sharpen their thinking ability with translation skills

Semester V

Course Outcome: After the successful completion of this course, the students will be able to:

- Understand the genre of Novella
- Develop accuracy in the use of English language
- Enhance their english communication skills
- Increase their vocabulary through the study of oneword substitution and proverbs
- Enhance their reading, writing, and listening skills in English
- Improve writing skills through Résumé Writing, Note making and summarizing

Semester VI

Course Outcome: After the successful completion of this course, the students will be able to:

- Strengthen their ability to write with proper sentence structure
- Enhance their vocabulary through the study of oneword substitution
- Learn to achieve their goals by reading memoir written by Barack Obama
- Enhance their awareness regarding problems of gender and racism
- Increase their knowledge regarding socioeconomic structure of the world
- Improve writing skills through Report Writing, Statement of Purpose and Development of story

B.Voc Software Development/B.Voc Automobile/B.Voc. (Fashion Design and Technology)/B.Voc Food Processing & Engineering/Advance Diploma in Auto Electrical and Electronics/ B.Voc Agriculture/ Advance Diploma in Green House and Technology

BVG 001: English Communication Skills I

Semester I

Course Outcome: After the successful completion of this course, the students will be able to:

Develop language proficiency and flair for English literature
 Develop accuracy in the use of English language
 Build vocabulary to use in common situations in life
 Acquaint with the ideas of writers of diverse cultures
 Familiarize with the technique of stories and characterizations
 Acquaint with the significance of translation

B.Voc Software Development/B.Voc Automobile/B.Voc. (Fashion Design and Technology)/B.Voc Food Processing and Engineering/Advance Diploma in Auto Electrical and Electronics/B.Voc Agriculture/ Advance Diploma in Green House and Technology

BVG 003: English Communication Skills II

Semester II

Course Outcome: After the successful completion of this course, the students will be able to:

Familiarize with the genre of poetry
 Acquaint with the rhythm, metrics and other musical aspects of poetry
 Understand, interpret and critically analyse selected poems by different poets
 Familiarize with the techniques of resume writing and report writing
 Develop communication skills
 Build vocabulary to use in their daily lives

**B.Voc. Agriculture/ Advance Diploma in Green House and Technology –II
 Personality Development**

Semester III

Course Outcome: After the successful completion of this course, the students will be able to:

Familiarise with communication skills to use in their daily life.
 Learn to balance confidence with humility and overcome problems associated with personality
 Enhance their personality by learning life-skills
 Enhance their writing skills through Expansion of news, Resume writing and Letter writing
 Polish their translation skills
 Enhance their soft skills

B.Voc. (Fashion Design and Technology) II
BVG-006: ENGLISH LANGUAGE AND CREATIVE WRITING
SEMESTER III

Course outcome: After the successful completion of this course, the students will be able to:

- Get acquainted with different orators and their philosophy of life
- Familiarize with the grammatical structures of the language to use in their daily life
- Generate ideas from sources to develop coherent content and support with relevant details
- Enhance their reading skills through comprehension
- Enhance their writing skills through creative writing
- Polish their speaking skills through mock conversations

BVG-049: Fashion Communication
SEMESTER -IV

Course Outcome: After the successful completion of this course, students will be able to:

- CO1. Enhance their reading, writing, listening and speaking skills in English
- CO2. Understand group communication, mass communication and interpersonal communications
- CO3. Position themselves in a global fashion scenario through effective communication skills
- CO4. Develop their ability to maintain fruitful public relations

B.Voc. Food Processing & Engineering / B.Voc. Automobile/ Advance Diploma in Auto Electrical and Electronics
English Language and Creative Writing
Semester III

Course Outcome: After the successful completion of this course, the students will be able to:

- Get acquainted with different orators and their philosophy of life
- Familiarize with the grammatical structures of the language to use in their daily life
- Generate ideas from sources to develop coherent content and support with relevant details
- Enhance their reading skills through comprehension
- Enhance their writing skills through creative writing
- Polish their speaking skills through mock conversations

B.Voc Software Development (Semester V)
BVG -041 English Communication Skills

Course Outcome: After the successful completion of this course, the students will be able to:

- Learn how to analyse unfamiliar words by understanding the structure of the English Language
- Learn various skills such as speaking and writing through dialogue writing
- Familiarized with the plays of various playwrights
- Improve reading skill by practicing comprehension

B.Com (Accounting & Finance)/ BBA/ B.Com Hons /B.Com
Communication Skills in English
Semester I

Course Outcome: After the successful completion of this course, students will be able to:

- Acquire knowledge of the novel as a genre and they will identify distinct literary characteristics of the novel
- Enhance their reading skills and understand how to represent their experience and ideas critically, creatively, and persuasively through the medium of language
- Comprehend major text and traditions of language and literature written in English as well as their social, cultural, theoretical and historical contexts
- Enrich their knowledge of writing complete, concise, concrete and clear business or official letters
- Recognize and incorporate in their writing correct grammar and punctuation

Semester II

Course Outcome: After the successful completion of this course, students will be able to:

- Produce various types and formats of reports, memos, emails, resumes, letters, surveys and questionnaires, abstracts, newsletters, definitions to meet particular needs or purposes
- Enhance practice in objective and subjective writing
- Increase vocabulary through the study of word parts, use of context clues, and practice with a dictionary

Analyse poetic works for their structure and meaning, using correct terminology.
Familiarize with the genre of poetry.
Develop strong writing and communication skill

P.G. DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY
M.SC. FASHION DESIGN AND TECHNOLOGY

Programme Outcome

-) It is designed to provide eligible candidates a specialization in the wide range of applications and research skills used in the fashion industry.
-) The students explore their creative side intellectually along with conceptualization, Textile manipulation and designing, prototyping garment, branding, and business, etc.
-) To understand the complexity of fashion designing the students need to acquire knowledge, creativity, a mature sense of the fashion industry, learn skills, and specialize.
-) MSc Fashion Designing curriculum helps students to develop their signature style and explore the conceptual contexts of their work and enables one to apply advanced theory and practice in the chosen field.
-) This course also helps students to develop skills like Creativity and artistic taste, Knowledge of colours, textures, and shapes, technical knowledge of tasks such as pattern cutting and sewing, Knowledge of fashion trends, Drawing and sketching skills, Originality, and innovativeness.

Programme Specific Outcomes (PSO I) :M.Sc. I Fashion Design and Technology

-) To relate the design process to the appropriate manufacturing process.
-) To demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams.
-) Research and relate fashion design to a broader socio economic, historical, and environmental context.
-) To assess, propose, and apply various techniques related to drafting, draping and constructing of garments.
-) To develop a systematic, critical approach to problem solving at all levels of the design process.
-) To articulate design ideas verbally, visually and digitally.

CO 1: TEXTILE STUDY

-) To impart the knowledge of fibres, sources, identification and properties.
-) To introduce students to various chemicals, dyes and auxiliaries used for chemical Processing.
-) Identify and discuss concepts related to the historical background of textiles
-) Explain the cultivation and harvesting of natural plant fibre and their properties i.e. cotton, jute, hemp, flex

CO 2: HISTORIC COSTUMES

-) To impart knowledge on history of costumes through the previous centuries with reference to fashion clothing.
-) Understand key techniques in the textile history and apply these to the identification of textiles
-) Familiar with the beginnings of the textile industry in ancient civilizations
-) Recognize and appreciate the design effects in textile masterpieces of the world

CO 3: PATTERN MAKING AND CONSTRUCTION TECHNIQUES

-) To impart skills in basic techniques of pattern making
-) To provide the knowledge of different sewing machines
-) The ability to apply the knowledge, skills and methodologies of the discipline(s) or field(s) of study to the analysis and solution of complex problems
-) To analyse the expression of sophisticated ideas, reflecting on personal practice and modifying it accordingly

CO 4: TEXTILE TESTING AND QUALITY ANALYSIS

-) To familiarize students with textile testing methods
-) To impart knowledge of textile product assessment according to standards.
-) To acquaint with testing methods involved in testing of textiles for various enduses.
-) Be able to understand various finishing techniques of fabrics for enhancing the functional property

CO 5: Surface Ornamentation

-) To impart knowledge on surface embellishment.
-) To familiarize students with basic embroidery stitches
-) To provide the knowledge of various dyeing and printing techniques
-) Demonstrate the Enlarged & Reduced forms of design

CO 6: DESIGN CONCEPTS

-) To introduce elements and principles of design and to impart knowledge on fashion art and design and its importance

-) To ensure students can practice the methods, processes and tools of design thinking.
-) To ensure students can apply the design thinking approach and have ability to model real world situations.
-) Evaluate, integrate, and apply appropriate information from various sources to create cohesive, persuasive arguments, and to propose design concepts

CO 7 : FABRIC CONSTRUCTION

-) To impart the knowledge of fibres, sources, identification and properties.
-) To introduce students to various chemicals, dyes and auxiliaries used for chemical Processing.
-) Discuss the channel impairments like losses and dispersion.
-) Classify the Optical sources and detectors and to discuss their principle.

CO 8: SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF FASHION

-) Identify and discuss concepts related to the cultural, social, and psychological aspects of textiles, dress and appearance
-) To impart knowledge on research concepts in fashion
-) To develop an understanding of social and psychological aspects of clothing.
-) To study the psychological effects of clothing on the individual in social situations. Contents

CO 9: COMMUNICATION SKILLS

-) Write effectively using field-specific terminology and conventions in a variety of forms for appropriate professional audiences
-) Speak and listen effectively in both formal and informal professional settings
-) Be able to communicate a concept visually using technology, or graphic display
-) Demonstrate increased competence by identifying, explaining, and applying effective communication skills in a variety of contexts (e.g. interpersonal, intercultural, group, public and professional communication, and mass media).

CO 10: FASHION ILLUSTRATION

-) To help students to understand fashion illustration
-) Role of sketching and illustration in fashion design.
-) Different illustration techniques to be used
-) Dynamic figure sketching in fashion merchandising.

CO 11: APPLIED TECHNIQUES IN DRAFTING AND PATTERN MAKING

-) To familiarize students with garments for different sizes and categories
-) 2. To impart knowledge on industrial method of pattern making and drafting
-) To introduce students to draping and its application in designing and construction of haute-couture.
-) Students will be able to judge the right kind of seam finishes that have to be given to different fabrics.

CO 12: GARMENT CONSTRUCTION-KIDS WEAR (Pr.)

-) To make student understand the basic skills related to hand stitches and seams.
-) Develop understanding of different terminology used in garments
-) To familiarize students with garment construction for different sizes and categories
-) To familiarize students with the designing and production of kids wear garments.

Programme Specific Outcomes (PSO II) : M.Sc. II Fashion Design and Technology

-) The students will have strong foundation in designing and have the ability to visually represent it by illustrations, photographs, graphics and visual display of merchandise.
-) The students will be able to convert their design into a product or a garment using appropriate construction techniques.
-) The students will be able to understand and analyze the market trends and design market friendly, sustainable, ethically viable and client friendly designs and products.
-) Students will be able to work as a team in any organization and become accomplished or successful Designers, Entrepreneurs or Industry ready professionals

CO 13: FASHION MARKETING AND MERCHANDISING (TH.

-) Identify and discuss concepts related to the management, marketing, and/or consumption of textile and apparel products
-) To make students understand and analyse the role of merchandiser.
-) The Importance of visual merchandising.
-) It also imparts knowledge of types of marketing and retailing procedure.

CO 14: COMPUTER APPLICATION IN FASHION DESIGN (PR.)

-) To imparts knowledge about the commands and tools necessary for professional drawings.
-) To create professional designs and drafting using CAD
-) Apply intermediate level computer skills to complement traditional design skills.
-) To introduce the methods of garments construction which include drafting, cutting and sewing of garments for industrial as well as home production.

CO 15: WOMEN APPAREL CONSTRUCTION-I (PR.)

-) To impart Knowledge about Style reading
-) To introduce students with pattern development and material layout
-) Develop skills of students to create basic garment parts and various design elements required for a garment
-) To create awareness about various construction details

CO 16: TRADITIONAL EMBROIDERIES AND TEXTILES OF INDIA (PR.)

-) To teach students the basic techniques of learning traditional embroidery
-) To create awareness of embroidered and Traditional articles.
-) To able to make a products with the help of basic embroidery stitches.
-) To provide the knowledge of various dyeing and printing techniques

CO 17: APPAREL PRODUCTION MANAGEMENT AND ENTREPRENEURSHIP (TH.)

-) To introduce various departments of an apparel Industry.
-) To impart skills in apparel production in an industrial set-up.
-) tudents will be able to critically analyze the changing nature in fashion entrepreneurship.
-) Students will be able to apply principles of entrepreneurship, new venture creation and business development to make decisions in the fashion industry.

CO 18: INTRODUCTION TO INFORMATION TECHNOLOGY (TH.)

-) The Information Technology (IT) course will educate students to analyse, design, integrate, and manage information systems using information technology.
-) Apply the knowledge of mathematics, science and computing in the core information technologies.
-) Identify, design, and analyze complex computer systems and implement and interpret the results from those systems.
-) Design, implement and evaluate a computer-based system, or process component, to meet the desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

CO 19: PATTERN MAKING THROUGH DRAPING (PR.)

-) To develop skills of draping.
-) To understand the relevance of draping in fashion
-) To learn different types of finishing in garment construction
-) To understand draping techniques and incorporating fine design details in a dress.

CO 20: WOMEN APPAREL CONSTRUCTION-II (PR.)

-) To learn about the various garment details and the way they are attached to finish a garment.
-) To learn different types of finishing in garment construction (hand and machine)
-) To impart knowledge about sources of inspiration for apparel designing
-) To understand the basic techniques of designing and construction of garments

CO 21: INDUSTRY INTERNSHIP AND DOCUMENTATION (PR.)

-) To understand professional systems of documentation and / or presentation
-) Understand the textile machineries through industrial visit and practise industrial knowledge through internship way
-) To understand the various departmental process and their inter relation within the organization.
-) To professionally document and present the information gathered during the field work/ industry internship by using different tools.

CO 22: DESIGN COLLECTION AND PRODUCT DEVELOPMENT (PR.)

-) To apply comprehensive textile design skills to design textiles through painting, weaving, screen printing, knit, and demonstrate intermediate or advanced skills in drawing, repeat creation, and color application.
-) To be able to understand target customer, market trends and forecast.
-) Identify the product to be developed.
-) Understand the process of design development.
-) Learn the process of product development and the presentation.

P.G. DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY
B.Voc. FASHION DESIGN AND TECHNOLOGY

Programme Outcome

Bachelor of Vocation (B.Voc.) Fashion Design and Technology is a graduate level program with the objective to provide adequate knowledge and skills related to apparel fashion designing and technology for employment and entrepreneurship. Bachelor of Vocation (B.Voc. - Fashion Design and Technology) is a three year Degree program with multiple exits such as Diploma /Advanced Diploma relating to apparel manufacturing. The course would provide adequate knowledge and skills for employment in the apparel industry. The student will have flexibility by means of multiple exit points. Curriculum details would include a suitable mix of general education and skill development which are designed for specific job roles in apparel industry. The course includes content which equip skill development component in the candidate. Each year includes practical as well as theory courses which impart appropriate and relevant knowledge of the garment industry. The candidate will be exposed to project work and on the job training in the industry so as to become ready to work in the apparel industry.

Programme Specific Outcomes (PSO I) :B.Voc I Fashion Design and Technology

Self Employed Tailor

-) The main idea of this course is to instill the skills regarding tailoring of garments by taking measurement, cutting clothes as per measurement and sewing with the help of ordinary sewing machines.
-) To enhance various techniques related to drafting, draping, designing and construction of a garment with a systematic and critical approach to problem solving at all levels of the design process

CO 1 : PERSONALITY AND CLOTHING

-) The students will be able to understand wider aspect of the concept personality.
-) To understand how make over and clothing affects personality of the person.

CO 2: GARMENT TECHNOLOGY

-) The subject initiates learning and applying utility of various components in a garment and to explore the different techniques used for quality application in garments.
-) It develops the understanding of various terminologies used in the fashion industry.

CO 3: PATTERN MAKING

-) The subject familiarizes the students with the basic concepts of pattern making.
-) It familiarizes them with the tools and terminology of pattern making while developing their ability to create designs through the flat pattern method.

CO 4: BASICS OF APPAREL CONSTRUCTION

-) The subject familiarizes the students with the Learning and implicating different design construction techniques.

CO 5: GARMENT CONSTRUCTION-I

-) Exploration and development of advanced pattern drafting and construction techniques for apparels. An intensive focus on the design and development of basic and creative pattern drafting skills and techniques to create individual design pieces in fabrics.
-) Learning and implicating different design construction and finishing techniques to create a final design pieces for apparels and interiors with standard design craftsmanship.

Programme Specific Outcomes (PSO I) :B.Voc I Fashion Design and Technology

Fashion Designer

-) Design and develop apparel products to meet the end-user desire by applying basic concepts in design and illustration.
-) Select the right materials and accessories for constructing the garments with respect to changing global fashion.
-) Creating and presenting various product design to attain entry level position in fashion industry.

CO 6: FASHION MERCHANDISING

-) Exploration and investigation of varied techniques and processes for the creation and development of visual Arts and Design ideas within the context of thematic and aesthetic interpretation.
-) To Explore and create an exciting example of 'fashion exposure' that demonstrates the role of images, photography, etc., to create fantasy, desire and the look of garments within a created visual narrative.

CO 7: DESIGN PROCESS

-) Students will have a clear foundation in fundamentals of design through elements and principles of design and different topics.
-) It enhances students drawing skills, colour theories, and presentation of their art works.

CO 8: FASHION ILLUSTRATION

-) The subject initiates the understanding of the importance of drawing and different techniques of illustration as the basis of fashion illustration.
-) To realize the need for understanding clarity and confidence in drawing of the fashion figures with rendering of fabrics and other garment details in fashion.

CO 9: GARMENT CONSTRUCTION II

-) To Design, plan, and create an original design through the flat pattern process.
-) Correct fitting techniques and basic construction will result in a fitted personal pattern by which all designs and styles can be applied and drafted.

Programme Specific Outcomes (PSO II) :B.Voc II Fashion Design and Technology**Industrial Engineer**

-) An Industrial Engineer is responsible for determining most effective ways to create a product or service in sewing line. Outline of the program is designed accordingly.

CO 10: INTRODUCTION TO FASHION INDUSTRY

-) Importance of this paper lies in the fact that it enables the student to develop a proper concept of fashion and its trends.

CO 11: FABRIC FORMATION AND STRUCTURE

-) To impart the knowledge of fibres, sources, identification and properties.
-) To provide students with the knowledge of yarn science and their properties

CO 12: SURFACE ORNAMENTATION I

-) Student acquires the basic knowledge of the appropriate tools and materials for hand embroidery and knowledge of transferring them on garments for designing.

CO 13: TEXTILE SCIENCE

-) To familiarize students with textile testing methods and to impart knowledge of textile product assessment according to standards.

CO 14: FASHION COMMUNICATION

-) To develop knowledge on evolving scope of fashion communication and marketing and to understand the concept of media in fashion communication.

CO 15: HUMAN VALUES IN EDUCATION

-) The main objective is to develop interaction with society and educational institutions.
-) To encourage research activities
-) To sensitize the citizens towards the value of human rights and duties in education.

CO 16: APPAREL INDUSTRY AND QUALITY CONTROL

-) To acquaint the students about – Quality control, labeling and packaging. Special purpose machines in Apparel Industry and Various Laws and Regulations related to textiles.

CO 17: APPAREL PRODUCTION MANAGEMENT

-) To introduce various departments of an apparel industry.
-) To impart skills in apparel production in an industrial set-up.

CO 18: BASICS OF COREL DRAW

-) To introduce the student to the basic tools of Corel draw and to expose them to contemporary computer design tools for Fashion design and technology.
-) To prepare the student to be an effective user of a computer aided design system.

CO 19: SURFACE ORNAMENTATION II

-) A student should be able to perform various dyeing and printing techniques and apply that knowledge into his/her designing.

CO 20: INDUSTRIAL TRAINING

-) The main aim of the training is to familiarize the students to the working of an apparel industry.
-) The students should be able to practically understand what they have learned in classroom.

Programme Specific Outcomes (PSO III) :B.Voc III Fashion Design and Technology**Boutique Manager**

-) A Boutique Manager is a skilled designer with business acumen for managing shop to make fashionwear, made ups and home furnishings.

-) The job involves thorough understanding of designs, being aware of latest trends, ability to convince clients for a design, capable of pattern making and skilled in stitching.

CO 21: ENTREPRENEURSHIP DEVELOPMENT

-) The purpose of this course is to create entrepreneurial awareness among students and to inculcate the entrepreneurial skills in them by developing their creative thinking and decision making ability.
-) The course also aims to orient the students towards choosing entrepreneurship as a career option.

CO 22: SUSTAINABLE FASHION

-) To make students understand the process of fostering change to fashion products and the fashion system towards greater ecological integrity and social justice.

CO 23: MANAGEMENT AND ACCOUNTING

-) The paper aims to provide basic knowledge to the students about the organization and management of a business enterprise.
-) The subject has potential to explore hidden instincts of managerial capability of a student and provides opportunity to develop required skills for a successful manager.
-) The student will be able to acquire conceptual knowledge vis-a-vis understanding principles and theory of the financial accounting and to develop skills for recording various kinds of business transactions while practicing accounting ethics.

CO 24: BUSINESS ECONOMICS

-) To make student understand the demand and supply analysis in business applications
-) To familiarise students with the production and cost structure under different stages of production.
-) To understand the pricing and output decisions under various market structure.

CO 25: TEXTILE WET PROCESSING

-) To impart the knowledge of various dyes class and their application to different fibres types.
-) To understand the working principles of various types of dyeing and their machineries.

CO 26: ADVANCE PATTERN MAKING

-) To impart skills in advance techniques of pattern making.
-) To enable the students to execute advance pattern manipulation through drafting and pattern making.
-) To teach various methods of advance pattern manipulation by using dart manipulation.

CO 27: CHILDREN'S APPAREL

-) To acquaint the students with construction skills of children's apparel.
-) Students learn elements of drafting, pattern making, cutting and stitching.

CO 28: FASHION DRAPING

-) To make the students aware about the draping techniques used in designing and construction of garments.
-) The course aims at understanding the process and stages involved in design development from an initial concept to a final creation.

CO 29: FUNDAMENTALS OF DIGITAL MARKETING

-) The course aims to provide knowledge about the concepts, tools, techniques, and relevance of digital marketing in the present changing scenario.
-) It also enables the learners to learn the application of digital marketing tools and acquaint about the ethical and legal aspects involved therein.

CO 30: FASHION STYLING AND GROOMING

-) To enable students to Understand the trends in Clothing behaviour
-) To gain an insight on the planning process involved in Clothing selection

CO 31: PHYSICAL EDUCATION

-) It aims to develop motor abilities like strength, speed, endurance, coordination, flexibility, agility and balance among students, as they are important aspects for good performance in different games and sports.

CO 32: HOME SCIENCE

-) The course aims at getting maximum satisfaction to the person and their family members through the efficient and scientific use of their resources.

CO 33: INDIAN TRADITIONAL TEXTILES AND EMBROIDERIES

-) To understand the origin of technique and design with reference to colours, motifs, layouts of different Indian traditional textiles and embroideries

CO 34: CONSTRUCTION OF SOFT FURNISHINGS

-) To help the students to venture into the field of furnishings by designing and construction of various articles
-) To teach the students various methods of making major home decorating articles.

CO 35: ADVANCE GARMENT CONSTRUCTION

-) To teach different aspects of drafting and designing.
-) To help the students to develop their own design.
-) To acquaint the students with skills of innovative clothing construction

CO 36: PORTFOLIO DEVELOPMENT

-) The portfolio is an expression of a graduating student's creativity, design/ability, technical expertise and illustration and presentation skills.

P.G. DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY
B.A. FASHION DESIGNING

Programme Outcome

-) The course aims to provide fashion designers a clear perspective on creativity and its application in innovative fashion design.
-) The curriculum presents fashion design as a fun, invigorating, topical and rewarding art.
-) It introduces techniques for students to get new, fresh and original design ideas.
-) Adapt their abilities to support their future design careers.
-) Assess, propose, and apply various techniques related to drafting, draping and construction of garments.

Programme Specific Outcomes (PSO I) :B.A Fashion Designing

-) Illustrate ideas in visual form by using various media.
-) The students will design and create garments and products by using conventional methods.
-) Students will be able to articulate design ideas verbally, visually and digitally

CO 1: Fashion Designing I

-) To impart skills in basic techniques of pattern making
-) To provide the knowledge of different sewing machines
-) To promote an understanding of Fashion and Textile Design in relation to the needs of fashion, home textiles, and the business to business textile products.
-) Students will develop innovative and creative fashion, home and contract products for diverse textile markets.

CO 2: Fashion Designing I (Pr.)

-) To impart knowledge on surface embellishment.
-) To familiarize students with basic embroidery stitches
-) The ability to apply the knowledge, skills and methodologies of the discipline(s) or field(s) of study to the analysis and solution of complex problems
-) To analyse the expression of sophisticated ideas, reflecting on personal practice and modifying it accordingly

CO 3: Fashion Designing

-) Identify and discuss concepts related to the cultural, social, and psychological aspects of textiles, dress and appearance
-) To develop understanding and basic skills of drawing and colors along with introduction to various art media
-) To introduce students to various elements required to create a design
-) To learn about the various garment details and the way they are attached to finish a garment

CO 4: Fashion Designing (Pr.)

-) To provide the knowledge of various dyeing and printing techniques.
-) To help students to understand fashion illustration
-) To develop an ability to identify and categorize different fibres, yarns and fabrics.
-) To develop an ability to understand different textile materials used to develop products

Programme Specific Outcomes (PSO II) :B.A Fashion Designing

-) To familiarize students with the design elements and principles and its application in fashion designing.
-) To induce an organized methodology in developing a successful collection / line of garments.
-) Demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams.

CO 5: Fashion Designing

-) To teach students the basic techniques of learning traditional embroidery
-) To create awareness of embroidered and Traditional articles.
-) To gain knowledge regarding the care and maintenance of fabric.
-) To impart skills to develop different fabrics by using construction techniques

CO 6: Fashion Designing (Pr.)

-) To familiarize students with garment construction for different sizes and categories
-) To impart knowledge on history of costumes through the previous centuries with reference to fashion clothing
-) To gain knowledge about design process followed by designers for creating a collection of garments.
-) To provide skills for development of inspiration and mood boards relevant to a particular theme or season

CO 7: Fashion Designing

-) To be able to understand target customer, market trends and forecast.
-) To understand female figure form (both natural and fashion).
-) To explore the ability and skill to draw fashion figures and drape garments on them.
-) To enable students to transfer the complete idea of design (colour, texture, silhouette and technique) on paper.

CO 8: Fashion Designing (Pr.)

-) To apply comprehensive textile design skills to design textiles through painting, weaving, screen printing, knit, and demonstrate intermediate or advanced skills in drawing, repeat creation, and color application.
-) To introduce patternmaking to students to develop garments.
-) To introduce to the students the basics techniques of patternmaking
-) To equip students with a working knowledge of patternmaking

Programme Specific Outcomes (PSO III) :B.A Fashion Designing

-) To demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams.
-) Research and relate fashion design to a broader socio economic, historical, and environmental context.
-) To assess, propose, and apply various techniques related to drafting, draping and constructing of garments.

CO 9: Fashion Designing

-) To impart Knowledge about Style reading
-) To introduce students with pattern development and material layout
-) To introduce students with different dyeing and printing techniques.
-) To enable students to develop articles using dyeing and printing techniques

CO 10: Fashion Designing

-) To create awareness about various construction details
-) To introduce elements and principles of design and to impart knowledge on fashion art and design and its importance
-) To introduce student with the creative art of embroidery.
-) To develop understanding regarding surface ornamentation.

CO 11: Fashion Designing

-) To impart knowledge on surface embellishment to use on final garments.
-) To give knowledge about stitching components of garments.
-) To give knowledge of various finishing techniques related to stitching.
-) To give knowledge about how to complete a garment with different styles.

CO 12: Fashion Designing

-) To familiarize students with basic embroidery stitches to use on final garments
-) To provide the knowledge of various dyeing and printing techniques
-) To familiarize students with various techniques of surface ornamentation for value addition.
-) To able to make a products with the help of basic embroidery stitches.

P.G. DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY
B.A. HOME SCIENCE

Programe Outcome

- Developed professional skills in food, nutrition, textiles, housing and human development.
- Acquire professional and entrepreneurial skill for economic empowerment of self in particular and community.
- Understand the science and technology that enhance the quality of life of people.
- Bringing science from laboratory to the people.
- Appreciate use of sustainable practices for improved physical, emotional, social, psychological environment.

Programme Specific Outcomes (PSO)

Use of practices for physical emotional social and psychological environment at micro and macro level.

Environment and sustainability

Critically evaluate the impact of household and industrial practices on environment.

CO 1: HOME MANAGEMENT AND HYGIENE

Understand and take action to enhance human growth and development.

Take control of their health and develop health promoting behaviour.

Holistic development of students as well as environment

Evaluate impact of of household and industrial practices on environment.

CO 2: RESOURCE MANAGEMENT AND HUMAN PHYSIOLOGY

To develop knowledge, attitudes, skills to perform various tasks required by their jobs.

To ensure that students understand how the body works.

To develop skills for entrepreneurship

Learning by doing

Programme Specific Outcomes (PSO)

Learning various elements and principles of design to understand clothing.

Critically evaluate impact of clothing on society.

Learning Suitable clothing needs of various age groups.

CO 3: CLOTHING

To understand the roles of weather and occasion in clothing choice.

To understand primary functions of clothing.

To distinguish between casual and formal wear.

To understand working of various sewing machines and their working

CO 4: TEXTILES

Students will gain practical understanding of different textile materials (fiber, yarn, fabric).

Students will develop understanding regarding the identification and testing parameters of fabric.

Students will learn various techniques of domestic dyeing.

Students will learn different types of laundry and finishing techniques

Programme Specific Outcomes (PSO)

Evaluate Impact of diet plans on curing different type of diseases.

Learning Various developmental theories for all round development

Appreciate use of practices for improved physical emotional social psychology and environmental health and wellbeing of society.

CO 5: FOOD SCIENCE & CHILD DEVELOPMENT

Students will be able to identify and apply food principles,

modify recipes for individual and group

dietary and volume production for entrepreneurship

Students will learn theories of development for early childhood care, education and services.

CO 6: NUTRITION, DIET THERAPY & CHILD CARE

Students will be able to interpret and applied nutrition concepts

to evaluate and improve the nutritional health of individual and community

To imbibe good nutrition routines,

To develop healthy habits, hygiene practices and self-help skills

P.G. DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY

ADD-ON COURSE IN FASHION DESIGNING

Programme Outcome

-) To promote an understanding of Fashion Design in relation to the needs of fashion, contractual furnishings, home textiles and business to business textile products.
-) To provide experience in responding to market opportunities with creative and innovative products that integrate a set of academic disciplines such as textile designer, merchandiser, export houses etc.
-) To understand the complexity of fashion designing the students need to acquire knowledge, creativity, a mature sense of the fashion industry, learn skills, and specialize.

Programme Specific Outcomes (PSO) :Add on Fashion Designing

-) Illustrate ideas in visual form by using various media.
-) The students will design and create garments and products by using conventional methods.

-) Students will be able to articulate design ideas verbally, visually and digitally

CO 1: CERTIFICATE COURSE IN FASHION DESIGNING

-) To understand current scenario in fashion forecasting and movement of fashion on local and global level.
-) To provide skills for development of inspiration and mood boards relevant to a particular theme or season.
-) To create awareness about various construction details
-) To introduce elements and principles of design and to impart knowledge on fashion art and design and its importance

Programme Specific Outcomes (PSO)

-) To assess, propose, and apply various techniques related to drafting and constructing of garments.
-) To develop a systematic, critical approach to problem solving at all levels of the design process.
-) To articulate design ideas verbally, visually and digitally.

CO 2: DIPLOMA COURSE IN FASHION DESIGNING

-) To Promote an understanding of Fashion Design in relation to the needs of fashion, contractual furnishings, home textiles, to textile products.
-) To impart knowledge on surface embellishment
-) Students will have a clear foundation in fundamentals of design through elements and principles of design and different topics.
-) It enhances students drawing skills, colour theories, and presentation of their art works.

Programme Specific Outcomes (PSO)

-) To familiarize students with the design elements and principles and its application in fashion designing.
-) To induce an organized methodology in developing a successful collection / line of garments.
-) Demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams.

CO 3: ADVANCE DIPLOMA COURSE IN FASHION DESIGNING

-) Students are able to identify a trend and identify its movements in local markets.
-) Students will gain practical understanding of different textile materials (fiber, yarn, fabric).
-) To explore the ability and skill to draw fashion figures and drape garments on them.
-) To enable students to transfer the complete idea of design for development of inspiration and mood boards relevant to a particular.

Department Of Fine Arts

Program Outcomes:

The art department offers a broad scope of opportunities for pursuing art. From the traditional subjects, Students are sure to find an area that suits their expressive style and they will be able to generate the original ideas. To give wings to their imagination, and also mold it by giving it the necessary creative compositional theme, aesthetic sense in practical work. Students can enrol in M.A. M.F.A. M.Phil, Ph.D. or they can pursue their talent as a freelance artist.

Program specific outcomes (PSO)

The program empowers the students and enables them to be well-trained and competent in the relevant field, make them a seasoned practitioner who could envision and create master pieces in art by keeping a moderate blend in the traditional and modern aspects of art. The program explores the experiences of the modern art in practical also. This program is designed to train skilled art practitioners who can work independently in a wide range of careers and performance or production opportunities. It helps to inculcate in their minds to involve in art process by exploring gain knowledge about art works, different trends and eastern and western concepts of art.

Course Outcomes:

BA-109 Students will be able to

Recognize and understand basic methods of mediums, theories and understand the basic elements of arts.

They will be able to understand the quality of the work of art.

To impart knowledge of theoretical perspective of Art.

BA-109 (P) The course serves to extend the student's awareness of the visual arts mechanism of creativity, precision tools and materials.

- Acquire skills associated with the use of painting mediums and supports.
- Experience with a variety of techniques.

- Develop terminology to critique one's own and other's work.

BA-209 Students will be able to

- Understand the elements and principles of art in Indian and Western Aesthetics
- Interpret and analyze primary or secondary sources.
- To synthesize the use of drawing, two-dimensional design, and color, beginning with basic studies and continuing throughout the degree program toward the development of advanced capabilities.

BA-209 (P) The course serves to study proportion, volume, tone, texture and light & shades.

- They will be able to understand about materials and methods involved and development of creative ability.
- Students will be able to extend their basic understanding of design and making of 5 simple layouts of poster advertisement etc.

BA-309 Students will be able

- To understand the painting and sculpture in India.
- The emphasis will be to make them aware of different terms, concepts, forms and subject matter of these works.
- They will be able to inculcating mind involvement in the art process by exploration

BA-309 (P) The course serves to extend the students advanced studies in different shapes, form, life models of different age groups.

- Delineation of the structural character of the head.
- The students will be able study theory of pictorial space including figures and ground the three dimension and the picture field, sub division and grouping of objects figures, interiors etc.

BA-409 Students will be able to

- Introduce the various schools, styles and phases of the development.
- Emphasis will be to make aware of the different terms, concept, forms and subject matter of these works.
- The students will be aware of the development of miniature art style during different Indian rulers.

BA-409 (P) The students will learn about feature, complexion, and expressions in various medium and structural characters of the head.

- Extend the students knowledge in different shapes from models of different age groups.
- The students will develop their knowledge about composition based on human figures, figurative and non figurative elements of nature.

BA-509 Students will develop

- Behaviour such as curiosity, initiative, and persistence that will help them engages with the world in productive ways.
- They will be able to work independently or collaboratively to achieve stated goals.
- This may deal with direct painting from nature or with alternative approaches to the making of traditional and, at times, three-dimensional images.
- Progress toward developing personal direction and style.

BA-509 (P) Students will aware about the advanced study from life models to develop a volume conception, human structures its form, contour and movement.

- The students will be able to understand distinction features of different age group and different size.
- The entire syllabus is design to understand the process of learning to observe and reproduce the pure designs

BA-609 Students will be able aware to study the different phases of western art history.

- While discussing the development and contribution in the field of art.
- The students will learn taking into account the changes in social and technological spheres the emergence of modern art would be discussed.

BA-609 (P) The students make capable to exhibit their work with a professional responsibility.

- The students will be able to understand the academic related to proportion structure tonal values, volumes and perspective.
- The students will learn about the arrangement of shapes based on subject and color application in harmony.

Department Of Folk Art and Culture

Program outcomes

The program outcomes of the Folk Art and Culture subject encompass a deep appreciation and understanding of diverse cultural expressions. Students develop a comprehensive knowledge of traditional artistic practices, folklore, and the historical context that shapes them. They gain proficiency in recognizing and analyzing various forms of folk art, fostering critical thinking skills. Furthermore, the program emphasizes the preservation and promotion of cultural heritage, instilling a sense of responsibility towards safeguarding traditional practices. Graduates are equipped to engage in cross-cultural dialogue, promote inclusivity, and contribute to the conservation of intangible cultural heritage, fostering

a rich appreciation for the diversity and significance of folk art within global society. Students can enrol in M.A., Ph.D. for higher education.

Course Outcomes:

BA-110

Students will be able to

-) Reflect critically and creatively on artistic and cultural processes, products and styles in past and present contexts.
-) Acquire knowledge and understanding of history of the Arts, concepts, aesthetics, culture and heritage. The ways different social and cultural groups engage in and convey meaning through the Arts will be explored and analyzed.

BA-210

The student will learn to:

-) Interpret the interrelationship between culture and society
-) Acquaint with culture of Punjab specially its rituals, rites, tradition, fairs and festivals.
-) Explore the handicrafts of Punjab

BA-310

The student will learn to:

-) Understand the intricacies of folk weaving and embroideries: phulkari, durrie and khes etc
-) Make household utility items like pakhiyan, chhikku, chhanger etc
-) Acquaint with folk religion and beliefs

BA-410

The student will learn to:

-) Trace the relationship between folk belief and folklore.
-) Appreciate the importance of folk medicine.
-) To emphasizes the importance of personal and social development.
-) Development of the ability to work individually and collaboratively in activities in the Arts towards fostering healing and nation building.

BA-510

The student will learn to:

-) Trace regional identity through the analysis of folklore
-) Understand the importance of folk legacy
-) Address the challenges posed to folk art and culture by the advent of modernization and globalization
-) Develop cross-cultural understanding through the study of Vedic, Islamic, Christian culture
-) Understand the Punjabi Culture in contemporary times.

BA-610

The student will learn to:

-) Acquire the ability to critically analyze various forms of folk art, including visual arts, music, dance, and literature, within their cultural and historical contexts.
-) Cultivate cross-cultural communication skills, promoting an appreciation for the similarities and differences in folk art across various communities.
-) Instill a sense of ethical responsibility towards respecting and representing diverse cultural expressions, avoiding cultural appropriation, and fostering cultural sensitivity.

PG Department of Geography

Graduates in Geography are able to apply geographical methods of working in a critical manner and communicate academic problems and model solutions to geographers and to other partners and users. The breadth and interdisciplinary nature of the program enables them to engage in and manage complex tasks and projects. They are also able to understand and work with people from different scientific backgrounds, and act as bridge builders between, e.g. science and social studies.

Program Outcome-

-) After completing the course student will able to read, interpret, and generate maps.
-) Students will aware about the hazards and disasters and their management.
-) Students will understand the physical geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human populations.
-) They will start thinking in spatial terms to explain what has occurred; develop their skills, knowledge and holistic

understanding of discipline.

Program Specific Outcome- PSO 1- Student will be able to

-) Understanding about the physical processes of ecosystems with relation to exchange of energy, water and carbon.
-) Get knowledge about environmental hazards and management.
-) Understand the overview of India nearly every aspect.
-) Understand about the site where human beings live.
-) Understand about the Economic activities through which our physical and cultural environment changed.
-) Understanding to interpret, read, analyze and identifying features from Geological and topographical Maps.

Course Outcome MSC 1st Geography (Sem-1)

CO 1- Fundamentals of Geomorphology

-) Helps in morphological mapping on aerial photographs and maps used in resource studies in various disciplines.
-) It studies form, processes and history about earth.
-) Students will be able to learn about the different layers and movements of earth etc.

CO 2- Environmental Geography

-) Study of environment includes physical and biological component.
-) It is study about the Interaction among the components, and effect of these components on human being and vice versa.
-) It deals with the environment in its totality unlike some other disciplines which only focus on one or few of its aspects. It analyses the time- space relationship between man and the environment.

CO 3- Resource Geography of India

-) Understand the location, Physiographic divisions, Drainage, Climate, and Vegetation of India.
-) Get knowledge about problem and prospect about agriculture, trade and transport routes.
-) Students will learn about how to conserve the soils, natural resources and forests, and problems and prospect about agriculture and trade.

CO 4- Geography of Settlement

-) Understand the Nature and Scope of Settlement Geography Characteristics of Rural and Urban Settlements according to Indian Census and nature, scope, evolution and study methods.
-) Understand the settlement types, pattern and nature and process of urban settlement and some basic concept related to settlement geography.

CO 5- Economic Geography

-) Discussing the Locational factors of different economies.
-) Assessing the importance of economic activities around the world.
-) Understand the economies scale, transportation and communication and nature and role of international trade.

CO 6- Map Work and Practical Geography (Cartography)

-) Interpreting, reading, analyzing and identifying features from Geological and topographical Maps.
-) Studying weather maps, isopleths, isobars, isotherms, weather symbols, wind rose to study wind direction and speed of the winds across the globe.
-) Making different map symbols to show variety of data like Graduated symbols to study agricultural data, area maps.
-) Making different maps showing various methods like Dot Method, Choropleth Method, Choromatic Method etc.
-) To know the different climatic conditions of the world for dwelling.

MSC 1st Geography (Sem-2)

CO 7- Climatology

-) Understand the structure, composition of Atmosphere.
-) Understand the climatic changes.
-) Understand weather phenomena winds, humidity, and precipitation.

CO 8- Human Impact on environment: issues and Perspectives

-) Understand the Man's impact on water and atmosphere.
-) Understand the Concept of Sustainable development and strategies to achieve sustainable development.
-) Understand the global environmental problems and environmental strategies.

CO 9- Geography of Regional Planning

-) Understanding the need of regional planning.
-) Regional Planning in developed and developing countries.

-) Understand the planning of the regions as T.V.A, of USA and NCR of India.

CO 10- Biogeography

-) Understand the geographical dispersion of Animal.
-) Awareness about for conservation of animals.
-) Learn about the biotic components.

CO 11- Human Geography

-) Understand about the different schools of human geography.
-) Studies of races of man kinds.
-) Understand about the mosaic of culture, religion and language.

CO 12- Map Work and Practical Geography (Morphometric analysis and Air Photo Interpretation)

-) To make maps showing drainage density, Bifurcation method, Stream ordering, Factor Form.
-) Studying about Slope Analysis Methods of Raisz and Henry, Wentworth Method, Robinson Method.
-) Study Aerial Photographs for interpretation of different natural and man- made features like mountains, valleys, rivers, forests, roads, railways, agriculture, residential area, fallow land etc.
-) Studying different errors in aerial photographs like Drag, geometric errors as well as Mosaics.

MSC 2nd Geography (Sem-3)

CO 13- Oceanography

-) Data derived from the work of oceanographers is used in marine engineering, in the design and building of oil platforms, ships, harbors, and other structures that allow us to use the ocean safely.
-) It helps in further knowledge of the world Ocean and understanding of processes within it.

CO 14- Town Planning

-) It helps in shaping and guiding the physical growth of the town creating buildings and environments to meet the various needs.
-) It is aimed at providing the students with a sound education in urban and regional planning.
-) Students will be able to solve the problems of Towns and plan a new town.

CO 15- Geography of Disaster Management

-) Disasters are happening in this world as a natural phenomenon or as anthropogenic activities and this subject tend to study it in totality.
-) Education in the context of Disaster Management is the process of enlightening the mankind about the nature, extent and methods to deal with the disasters.
-) Students will be able to survive in different disasters and to help other people.

CO 16- Remote Sensing and GIS

-) It is a method for getting information about different objects without being in physical contact with it with the help of aerial platforms and through satellites.
-) It gives immense opportunities in the field of large scale opportunities in the field of existing geographical maps, project planning, decision making and natural resource management.
-) Students will learn about how to use GPS, GIS software and create maps through software.

CO 17- Manufacturing Industries

-) It gives a sneak peek in the industrial sector of India and how it has expanded trade and commerce.
-) Industrial manufacturing is a major growth sector for the Indian economy with diverse companies including those engaged in manufacturing of machinery and equipment, electrical and metal products, cement, building and construction material, rubber and plastic products and automation technology products.
-) Provide information about the industries, how one can locate the industries and factories, problems related with industries and their solutions.

CO 18- Map Work and Practical Geography (Quantitative Techniques)

-) A decision making approach that frequently seeks to obtain a mathematically optimal solution.
-) These are statistical techniques used to obtain an accurate analysis.
-) Understand various quantitative methods like Mean, Median, Mode, Co- coefficient of Variation, and Deviation Methods.
-) Understand Data and its inference, data collecting techniques and types of data.
-) Calculate and interpret statistical values by using different statistical tools.
-) Calculating nearest neighbor analysis, connectivity, Accessibility and Sinuosity.

MSC 2nd Geography, Sem-3

CO 19- Geographic Thought

-) It gives a historical background of how geography evolved as a discipline and different branches emerged from it.
-) In geography, thoughts are the agglomeration of physical, cultural and biological aspects of the earth and values and beliefs of different objectives. Explanation is the methodological description of these thoughts.

CO 20- Agricultural Geography

-) To know the different methods to calculate the crop diversification that is given by Gibbs & Martin Method, Jasbir Singh's Method and Bhatia's Method.
-) Studying Crop Intensity, Land Capability and Land Use, Agro Climatic Regions of India.
-) To know the modern strategy of agriculture of India.
-) Knowledge about the crop specialization and crop diversification, (how to sustain the environment.
-) To know the eco friendly crop planning regions of India.

CO 21- Population Geography

-) Under this spatial variation in the distribution, composition, migration and growth of population is studied over a place or a space.
-) It involves demography in spatial perspectives and Malthus Theory, Karl Marx theory, Transition Theory, Stop and Go Theory, Push and Pull Theory.
-) To know the density of different regions of the world.

CO 22- Political Geography

-) To study the Spykman's Rimland Theory.
-) To learn about the Heartland Theory of Mackinder.
-) To study the concepts of Frontier and Boundaries.
-) Geo-politics of climate change, Geo-politics of Indian Ocean.
-) It is the study of relationship between the earth's physical condition and international affairs.
-) It is concerned with the study of both the spatially uneven outcomes of political processes and the ways in which political processes are themselves affected by the spatial structures.
-) To study the regional organization of corporation like SAARC, ASEAN and EU.

CO 23- Medical Geography

-) It studies the effects of locale and climate upon health.
-) It aims to improve the understanding of the various factors which affect the health of population.
-) Migration and Health, Human environment interaction and health.

CO 24- Field Methods in geography & Project Report

-) Field surveys facilitate the collection of local level information that is not available through secondary sources.
-) To know the required information about the concerned interest.
-) Students experience the geography of particular region that they don't experience from text books.
-) To know the collection of Primary data from field directly.
-) To incorporate the Primary, Secondary and Tertiary data in their field report and their relevance.

COURSE OUTCOME –B.A. (H) SOCIAL SCIENCE

B.A. (H) SOCIAL SCIENCE PART 1 (SEM 1 & 2) CO 1- PHYSICAL GEOGRAPHY

(Optional)

-) It is a branch of natural science which deals with the study of processes and patterns in the natural environment such as the atmosphere, hydrosphere and biosphere.
-) It seeks to understand where things are found, why they are there, and how they develop and change over time.
-) Students will be able to identify the different features of earth's surface, soil types, rock structure and layers of earth.

CO 2- CLIMATOLOGY AND OCEANOGRAPHY (Optional)

-) Climatology is the study of climate on geographical scales ranging from local communities to the Earth as a whole.
-) It gives details about the average of all weather parameters such as temperature of the air, land and seas, cloud types and amount, humidity, precipitation, wind direction and velocity etc.
-) Oceanography covers a wide range of topics, including marine life and ecosystems, ocean circulation, plate tectonics and the chemical and physical properties of the ocean.
-) It studies currents and waves, movement of the sediments as well as the geology of the sea floor.

CO 3- GEOGRAPHY OF INDIA (General Studies)

-) It studies India in a comprehensive way that is physical geography, Economic geography and Social geography.
-) The major sub – topics are Physiographic divisions, Drainage, Climate, Vegetation, Natural Resources etc.
-) Students will learn about how to conserve the soils, natural resources and forests, and problems and prospect about agriculture and trade.

B.A. (H) SOCIAL SCIENCE PART 2 (SEM 3 & 4)

CO 4. WORLD GEOGRAPHY-I (North America and Europe)

-) It studies the different geographical features of different continents as one.
-) It covers the geographical. Socio-economic, political and cultural features of different countries with each other.
-) It studies two continents i.e. North America and Europe in totality. Their natural resources, Physiography, drainage, vegetation, soils, agriculture, industry etc.

CO 5. World Geography-II (Asia and Oceania)

-) It studies two continents of the world i.e. Asia with special reference to India and Oceania.
-) It studies the different geographical features of different continents as one.
-) It covers the geographical. Socio-economic, political and cultural features of different countries with each other.

B.A. (H) SOCIAL SCIENCE PART 3(SEM 5 & 6)

CO 6. GEOGRAPHY OF PUNJAB

-) It studies the administrative background of present Punjab before partition as well after the independence. It covers the administrative divisions of Punjab.
-) It covers physiographic divisions of Punjab, climate, vegetation, soils, agriculture and industries.
-) It studies the different geographical features of Punjab.
-) Students will learn about the different parts of Punjab such as Majha, Malwa and Doaba.
-) Students will aware about the need of protection and conservation of different resources.

CO 7. GEOGRAPHY OF RESOURCES AND ENVIRONMENT

-) Highlight the relationship between man and environment
-) It aware the students regarding the protection of environment and resources.
-) It sets their goals to achieve the sustainable development.

COURSE OUTCOME –B.A. (UNDER GRADUATE)

B.A. Ist (SEM 1 & 2)

CO 1. Geomorphology

-) It studies about the landform features, mountains, rivers, valleys etc.
-) It covers the chemistry, structure and origin of earth.
-) Students will be able to identify the different features of earth's surface, soil types, rock structure and layers of earth.

CO 2. Climatology

-) It covers about the climate of different places.
-) It covers the formation of clouds, rainfall and fog and there effects.
-) It studies the recent concept of climate change.

B.A IIInd (SEM 3 & 4)

CO 3. Oceanography

-) It studies the origin, distribution and structure of world oceans.
-) It studies the relation of ocean with celestial bodies.
-) It studies the utilization of oceans as a storehouse of resources of Future.

CO 4. Geography of Disaster Management

-) It studies about the both types of the disasters, i.e., Natural and Anthropogenic.
-) It studies to reduce and mitigate the impact of disasters.
-) It studies about the managing in both situations, i.e., pre and post disaster.

CO 5. Geography of Punjab

-) It studies the different geographical features of Punjab.
-) Students will learn about the different parts of Punjab such as Majha, Malwa and Doaba.
-) Students will aware about the need of protection and conservation of different resources.
-) It studies the administrative background of present Punjab before partition as well after the independence. It covers the administrative divisions of Punjab.
-) It covers physiographic divisions of Punjab, climate, vegetation, soils, agriculture and industries.

-) It studies India in a comprehensive way that is physical geography, Economic geography and Social geography.
-) The major sub – topics are Physiographic divisions, Drainage, Climate, Vegetation, Natural Resources etc.
-) Students will learn about how to conserve the soils, natural resources and forests, and problems and prospect about agriculture and trade.

टहन्दी एविं अन्य भाषाँ टवभाग

टवषय : टहन्दी ाटहत्य

को स आङ्किकम (पाठ्याम उपलब्धि) बी.ए. प्रथम

इ पाठ्याम े टवद्याथी टहनदी ाटहत्य के इटतहा का आधारभूत (Basic) ज्ञान प्राप्त करने म क्षम होते है। आधुनक कटवता की टवस्तुत जानकारी प्राप्त करने ाथ ाटहत्य की टवधाओं कहानी तथा उपन्या के टवषय म भी ज्ञान अशजसत करते हैं। इ के अटतररक्त म ामटयक टवषयोिं पर अपने टवचार प्रकि करने उनव लेखन कला म ्धार होता है।

बी.ए. टद्वतीय

इ पाठ्यामे टवद्याथी तहन्दी ाटहत्य के इतहा का टवस्तुत ज्ञान हाश ल करते हं। ाटहत्य की टवधाओं एकाँ की तथा उपन्या की रचना प्रटाया को मझते हं। इ अदतररक्त तहन्दी भाषा की उत्पटि टवका तथा टवशभन्न रूपों की टवस्तुत जानकारी हाश ल करते हं।

बी.ए. तृतीय

इ पाठ्याम म त्वद्याथी तहन्दी ाटहत्य के इतहा का म्पुसि ज्ञान हाश ल करते हं। तहन्दी ाटहत्य की नवीन त्वधाओं रेखाशत्र, सिमर, जीवनी तथा आत्मकथा आद का त्वस्तुत ज्ञान अशजसत करते हं। इ के अततरस्त छन्दीं के माध्यम कटवता रचना की प्रताया को भी मझते ह।

प्रोग्राम आऊकम (प्रोग्राम उपलब्धियाँ)

- 1) टहन्दी ाटहत्य का टवषय पढ़ने वाले टवद्याथी सू लोिं तथा कॉलेजोिं मं टहन्दी शिक्षक के रूप म कायस कर कते हं।
- 2) रकारी तथा प्राइवेि बकोिं म टहन्दी ऑटफ र की नौकरी हाश ल कर कते ह।
- 3) रकारी, अद्स रकारी व प्राइवेि रिस्थानोिं तथा बंकोिं म अनुवादक के तौर पर कायस कर कते हं।
- 4) टहन्दी भाषा का उशचत ज्ञान होने पर रेटडयो तथा िलीटवज़न पर माचार वाचक के रूप कायस कर कते हं।
- 5) टवशभन्न टहन्दी माचार पत्र/पत्रकाओिं म अनुछेद लेखन/ब्लॉग तथा म ामटयक टवषयोिं पर ज्ञानवधसक अनुबन्ध लेखन का कायस कर कते है।

टडप्लोमा इन जूझ

को स्थायिकम (पाठ्याम उपलब्धि)

इ पाठ्याम े खद्योथी उदूस्मोषा के ामान्य ज्ञान के ाथ- ाथ इ की व्यकार े भी परशचत होते हं। उदूस्के महान रचनाकारोिवे
त्वषय म जानकारी हाश ल करते हं। इ के अततरस्त द्य
म्बिं न्न न्न व्यक्त

टडप्लोमा इन फार ी

को स्थायिकम (पाठ्याम उपलब्धि)

व्याकरण व्याकरण श प्राप्त प्रप्त
व्याकरण व्याकरण श प्राप्त प्रप्त

टडप्लोमा इन स्वि त

को स्थायिक (पाठ्याम उपलब्धि)

ठ्या	टवद्याथी श्रीमद्भगवद्गीता के श्लोकोिं तथा श्रीजपुजी	ध्य	ध्य	स्व
	क्त द्य			
न्यज्ञ	व्यक्ष	ध्य		प्रप्त

प्रोग्राम आडिकम (प्रोग्राम उपलब्धियाँ)

PAPER-III : History of the Mughals (1526-1605 A.D.)

PAPER-IV : Study of Social, Cultural and Economic Institutions during Sultanate Period

GROUP-C : MODERN INDIA

PAPER-II : History of India from 1707-1772. PAPER-III : History of India from 1818-1947.

PAPER-IV : National Movement in India 1858-1930 and Constitutional Development.

SEMESTER-IV

PAPER-I : HISTORY OF PUNJAB FROM 1849-1947 (COMPULSORY)

PAPER-II, III & IV : ANY ONE OF THE FOLLOWING GROUPS :

GROUP-B : MEDIEVAL INDIA

PAPER-II : Delhi Sultanate (1399-1526 A.D.)

PAPER-III : History of the Mughals (1605-1707 A.D.)

PAPER-IV : Study of Social, Cultural and Economic Institutions under the Mughals.

GROUP-C : MODERN INDIA

PAPER-II : History of India from 1772-1818. PAPER-III : History of India from 1818-1947.

PAPER-IV : National Movement in India and Constitutional Development 1930-1947.

MHST 101:

Course Outcomes:

- 1.This course inculcate the knowledge of the origin of Sikh religion , different institutions and about the transformation of Sikh religion.
- 2.This course will familiarize the students with important developments in Sikh history.
- 3.It will also educate the students about the major changes in the Punjab during the times of Guru period.
- 4.The students will also learn about the origin of Sikh philosophy and Sikhism.

MHST 102:

1. The course of this paper throws light about the changes that took place in the World from the early 16th century onwards and this time traditional approach was replaced with the scientific approach. As a result, Renaissance and Reformation came into being.
2. Students will know about the Industrial, American and French revolution from different aspects.
- 3.The students will acquire the historical knowledge about the times of Napoleon Bonaparte.
- 4.It will help the students to understand that why the Congress of Vienna took place.

MHST 102:

- 1.The course inculcates the knowledge to the students about the primitive feudalism society and the causes of Russian revolution and evolution of socialism and guided them to analyse it with reason, logic and its present status,
- 2.The students will gain knowledge about economic, education, administration reforms and development of Industry.
- 3.This course will be helpful to throw a light on the different branches of Russian administration and about Marxism in Russia.

MHST 103:

- 1.The course of this paper introduce the students-what exactly is history. It teaches the students how to study history. It acquaints the students with the methodology framework within which historians work.
- 2.The students will gain knowledge about the methods of systematic research for new and useful information on a particular topic.
- 3.It will help the students for an investigation of finding solutions to social problem through objective and systematic manner.
- 4.It will also be helpful for the students to teach them about the internal and external criticism of the sources.

MHST 103:

- 1.This course imparts the students the knowledge of the political developments and the important events related to it in the 19th and early 20th centuries in China. It imparts knowledge on the economy and society of the above mentioned period.
- 2.This course will impart information about the opening of China and Japan with special reference of Opium war and Colonial powers.
- 3.The students will also gain knowledge about the political and social condition of China as well as about the modernization of China and Japan.
- 4.It will teach them about the revolution of China of 1911.

MHST 104:

- 1.The students will gain knowledge about the political transformations of the modern World that took place from the sixteenth century till the end of the 1870 A.D.
- 2.The course will inculcate the knowledge of the Parliamentary system of England.
- 3.Students will be able to understand the change and continuity of World system from Medieval to Modern times.

MHST 104:

- 1.This course will help the students to understand the internal growth of the United States during the period of the second half of 19th century and early decades of 20th century. It will identify the conditions that led to Industrial expansion.

- 2.Students will be able to discuss the reforms of the progressive Era.
- 3.They will be able to communicate why American cities experienced rapid growth.
- 4.It will summarize the growth of big business and the role of monopolies.

MHST 201:

- 1.Students will be aware about the Sikh history and culture.
- 2.The course will impart knowledge about the Mughal-Afghan and Sikh struggle.
- 3.It will emphasis about the study of Sikh institutions and about the rise of Ranjit Singh's power.

MHST 202:

- 1.The course imparts the knowledge of the political transformation of the modern world that took place from the nineteenth century to twentieth century.
- 2.With the study of this paper, the students will gain information about the Alliances and Conventions that took place in the World in the last decades of the nineteenth century and early twentieth century.
- 3.The students will gain knowledge about the new imperialism, first World war and the settlements that took place after the first World war.

MHST 202 :

- 1.The course will inculcate the knowledge of the Russian revolution and evolution of socialism.
- 2.Students will be guided to analyze it with reasons, logic and its present status.
- 3.It will throw light about the factors leading to the collapse of U.S.S.R and its impact.

MHST 203:

- 1.It will aware the students about the theories regarding Historical Approaches of Hegel and Karl Marx.
- 2.Students will get knowledge about various research methods, techniques regarding emerging trends in Modern Historical Writings.
- 3.Students will learn about the methodological framework within which historians work in the context of primary and secondary sources.

MHST 203:

- 1.This course will impart students the knowledge of the political developments and the important events related to it in the nineteenth and the early twentieth centuries in China.
- 2.It will impart knowledge on the economy and society of the above mentioned period.
- 3.The course teaches the students about the position of Japan at the times of second World War.

MHST 204:

- 1.Students will learn about the rise of modern World.
- 2.It will impart knowledge about the political history of the World since the end of the first World war focusing on the change and continuity over time and space.
- 3.The course will impart knowledge on the economic developments of the specific period in an analytic way.

MHST 204:

- 1.This course aims at acquainting students about the Peace Settlement of 1919 in order to establish peace in the World.
- 2.It will aware about the rise of nationalism in USA.
- 3.Students will understand and will be able to know about the times when USA appeared as a World power.

MHST 301:

- 1.This paper is important to familiarize the students with proper development in Sikh history till the times of the annexation of Punjab.
- 2.Students will be able to acquire general knowledge to prepare for competitive exams.
- 3.The study of this paper will enhance the knowledge of students about the Sikh history.

MHST 302:

- 1.This Paper is important to understand the outline development of political institutions and relationship amongst rulers of dynasties of Medieval times.
- 2.The study of this paper will be helpful to understand administration, strategies of military control and resource mobilization.
3. This study is important to illustrate how travellers' accounts, court chronicles and historical buildings are used to write history.

MHST 302:

- 1.This paper deals with the times of Mughal Empire and the rise of Maratha power. It also deals with the rise of Sikh power and the advent of the European trading company.
- 2..Students will gain knowledge about the collapse of Mughal Empire.
- 3.It will explain about the beginning of British rule in India.

MHST 303:

- 1.The Mughal Empire was an extraordinary Indo-Islamic synthesis. The study of the paper can encourage the students to consider fundamental questions of identity and diversity.
- 2.The study of this paper will be helpful to understand the socio-political condition and administration of the times of Mughals.

3. This study is important to understand the Rajputs and Religious policies and land revenue system under Akbar.

MHST 303

1. This course is important as it deals with the administration provided by the Britishers in India and the detailed study of the rising of 1857 revolt.
2. Students will gain information about the new trends in administration of William Bentinck and Lord Dalhousie.
3. It will lead to the British policy towards Indian states.
4. Foreign Policy of Government of India can also be discussed.

MHST 304

1. The importance of the study of this paper is to provide the information about the social, cultural, economic and religious conditions of the times of Sultanate period.
2. This paper will help the students to develop their knowledge about Muslim and Hindu society of the Sultanate period.
3. The study of this paper will also be helpful for the students to choose their career as a Historian, Archivist, Museum Curator, Teacher and as an Archaeologist of the specific times.

MHST 304

1. The course is important as it deals with the role played by the National movement which led to the Constitutional Development in order to achieve freedom.
2. This course will inform about the different phases of freedom movement.
3. Students will be able to discuss on the topics relating to the activities done by the revolutionaries in India.
4. Swarajists politics and Simon Commission etc. are also covered in this course.

MHST 401

1. The course, History of Punjab, visualizes about the rise of the power of Ranjit Singh and his relations with Misls, Afghans and with Britishers.
2. Students will be able to know about the administrations of Ranjit Singh.
3. Administration of Punjab under the Britishers after the death of Ranjit Singh is also an important part of the course.

MHST 402

1. The course, History of India serves the students to extend their awareness about the establishment and expansion of the Muslim rule in India.
2. The course highlights the conquests and administration of the Slave dynasty, Khalji dynasty, Tughlaq dynasty etc.
3. This course will enlighten the students about the dynasties of the South.

MHST 402:

1. This course aims at acquainting the students with the establishment and expansion of British empire in India.
2. Students will know about the Parliamentary Legislations, Charter Acts and Re-emergence and fall of Marathas.

MHST 403

1. The course, History of India serves the students to extend their awareness about the establishment and expansion of the Mughal rule in India.
- tc.
2. They will be able to understand about the features of Mughal administration in India.
3. This course will aware the students about Mughal policies and land revenue system.

MHST 403:

1. This course acquainted the students with the British policy, stressing on the positive and negative effects.
2. This paper deals with the advent of the Europeans in India and the policies followed by them to establish themselves in India.
3. Students will be able to analyse the process of rise modern India and its foundation made by social reformer and freedom fighters.
4. This course will acquaint the students with economic background, agrarian economy and rise and growth of modern industry.

MHST 404:

1. The course will help the students to know about the agrarian system, state revenue system and about the zamindars in Mughal India.
2. Students will be able to understand about the currency and credit and also about the industrial production in Mughal India.
3. Development of language and literature, art and architecture under the Mughals will also be covered.

MHST 404:

- This course will help the students to know about the different phases of freedom movement of India.
2. This course acquires about the rise of Indian National Army.
 3. This also deals with the circumstances leading to the Partition of India.

PROGRAMME OUTCOME:

The programme introduces the students about the elements of change and continuity in Indian history as a whole starting from the Ancient period. It is essential for understanding the diversity of the human experience as influenced by geographical boundaries, castes, cultures, traditions, class and creed. It is important for understanding the major political and economic development, reforms and policies of Medieval states which enhance the intellectual development. It helps to understand the history of the World. Knowledge is also gained about the times of the Punjab of the nineteenth century. Maps at undergraduate level help to understand the empires and develop the practical skill by drawing the historical boundaries or places. The study of History imparts the moral education, installs the feelings of patriotism and this is very important subject for civil services and other competitive exams.

PROGRAMME SPECIFIC OUTCOME:

The programme deals with the Ancient, Medieval and Modern society. From this course, one can learn the tools to analyse and explain problems in the past which gives the ideas to solve the problems which affects the current and future generations. Careers with BA History improve the skills in the Historical research and analysis field and it also focuses on Ancient to Modern history in both Indian and World scenarios.

COURSE OUTCOME:**BA113 :**

1. The course, History of India up to 1000 A.D., allows the students to understand where we have come from and why we are here and highlights how the people of Ancient times attempted to shape their future.
2. It helps to understand the salient features of Indus Valley Civilization and of Buddhism and Jainism.
3. It visualizes the administration of Ancient dynasties such as Mauryas and Guptas.
4. The course also acquaints the students with the dynasties in the South and about the times of the Rajputs.

BA213:

1. The course, History of India (1000-1707 A.D.) serves the students to extend their awareness about the establishment and expansion of the Muslim rule in India.
2. The course highlights the conquests and administration of the Slave dynasty, Khalji dynasty, Tughlaq dynasty etc.
3. Students will be able to know about the establishment of Mughal dynasty and of Maratha power.
4. They will be able to understand about the features of Mughal administration in India.

BA313:

1. This course acquaints the students with the British policy, stressing on the positive and negative effects.
2. This paper deals with the advent of the Europeans in India and the policies followed by them to establish themselves in India.
3. Students will be able to analyse the process of rise of modern India and its foundation made by social reformers and freedom fighters.

BA413:

1. This course inculcates the knowledge of the origin of Sikh religion, different institutions and about the transformation of Sikh religion.
2. This course will familiarize the students with important developments in Sikh history.
3. It will also educate the students about the major changes in the Punjab during the times of Guru period.
4. The students will also learn about the origin of Sikh philosophy and Sikhism.

BA513:

1. The course, History of the World (1500-1950 A.D.), identifies the major discoveries, inventions and scientific achievements and assesses their impact on society.
2. Students will be able to know about the rise of nationalism in the World.
3. The course gives information about the factors which led to the emergence of the World wars and about the modernization of Turkey.

BA613:

1. The course, History of Punjab (1799-1966 A.D.), visualizes about the rise of the power of Ranjit Singh and his relations with the Muslims, Afghans and with the Britishers.
2. Students will be able to know about the administrations of Ranjit Singh.
3. Administration of Punjab under the Britishers after the death of Ranjit Singh is also an important part of the course.
4. It acquaints with the socio-religious reform movements, factors leading to the partition of Punjab and reorganisation of Punjab.

P.G. DEPARTMENT OF HISTORY**B A Honours (History)****PROGRAMME OUTCOME:**

B A Honours is the most pursued undergraduate course in the subject of History. It is the best and efficient degree to achieve specialisation in the subject and this degree makes one eligible for the post of a lecturer and for the better career opportunities. The programme helps in familiarizing the students with the socio-economic and culture heritage of India. Students will be able to

understand the history of United States and their internal growth. The course highlights the history of China and Japan and about the movements which accrued in the history of these countries.

SPECIFIC PROGRAMME OUTCOME:

Successful completion of this programme makes one eligible for the post of a lecturer in any University/College and better career opportunities. This degree being one among the best and efficient degrees is extremely useful to achieve specializations in particular subject.

COURSE OUTCOME:

BAH313:

This course is related with the Indian independence movement and a series of historic events with the ultimate aim of ending British rule in India. It also leads with that movement which galvanized millions of people of all classes and ideologies into political action and brought to its knees a mighty colonial empire.

2. This paper describes the events regarding India's struggle for freedom in a chronological method.

3. Students will be able to analyse the process of rise modern India and its foundation made by social reformers and freedom fighters.

BAH413:

1. This course acquainted the students with the British policy, stressing on the positive and negative effects.

2. This paper deals with the British agrarian policies and foreign trade and industry during the British rule.

3. Students will be able to analyse the process of rise modern India and its foundation made by social reformer and freedom fighters.

4. This course also introduces with the growth and development of modern press and education.

BAH513:

1. The course will help the students to increase their awareness of the internal growth of the United States during the period from 1860 to 1990 A.D.

2. Students will be able to understand about the coming to power of the United States.

3. It will describe the role of the government during the times of Woodrow Wilson.

4. It will be helpful to throw light on the peace settlements done to establish peace in the World.

BAH613:

1. The course will highlight the nationalist movements in China.

2. Students will be able to know about the process of economic development in traditional Japan.

3. Students will be able to know about the process of economic development in traditional Japan.

4. Students will know about the Sino-Japanese War and about the relations of China with India.

M.Sc. Mathematics

Programme Outcomes:

- Inculcate critical thinking to carry out scientific investigation objectively without being biased with preconceived notions.
- Equip the student with skills to analyze problems, formulate a hypothesis, evaluate and validate results, and draw reasonable conclusions thereof.
- Prepare students for pursuing research or careers in industry in mathematical sciences and allied fields
- Imbibe effective scientific and/or technical communication in both oral and writing.
- Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in mathematical sciences.
- Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.

M.Sc. (Mathematics) - I

(Semester I & II)

Programme Specific Outcomes:

PSO:1

Inculcate strong understanding of the fundamental axioms in mathematics and capability of developing ideas based on them.

- Students will be able to understand disciplines such as Analysis, Algebra, Geometry, Topology, Measure Theory, Rings & Modules and Special functions explained with strong background.
- Helps in good understanding of number theory which can be used in modern online cryptographic technologies.
- Inculcate mathematical reasoning.

COURSE LEARNING OUTCOMES:

CO 1: MATHEMATICAL ANALYSIS

On completion of this course, the students will be able to:

- 1. Understand the concept of metric space, open sets, closed sets and compactness.
- 2. Understand the theory of Riemann-Stieltjes integral and its properties.

-) Study rearrangement of series, Riemann's Rearrangement theorem and power series.
-) Analyse the function of several variables, derivatives and their applications.

CO 2: ALGEBRA

On completion of this course, the students will be able to:

-) Remember the properties of solvable and nilpotent groups.
-) Understand the concept of class-equations, properties of permutation group and its application.
-) Apply the structural theory of some finite abelian groups and Sylow's theorems to solve different problems.
-) Understand commutative rings, ideals and their properties

CO 3: COMPLEX ANALYSIS

On completion of this course, the students will be able to:

-) Understand functions of a complex variable, analytic functions and their properties.
-) Study Cauchy's theorem & integral formulas and their examples.
-) Evaluate singularities of functions and residues
-) Understand the concept of analytic continuation and natural boundary of an analytic function.

CO 4: ORDINARY DIFFERENTIAL EQUATIONS

On completion of this course, the students will be able to:

-) Understand the existence, uniqueness and continuity of solutions of first order ODE's.
-) Evaluate the solutions of initial and boundary value problems.
-) Understand the eigen values and eigen functions of Sturm–Liouville systems
-) Analyze the qualitative behavior of solutions of system of differential equations.

CO 5: NUMBER THEORY-I

On completion of this course, the students will be able to:

-) Understand the concepts of prime numbers, divisibility, congruence, g.c.d., prime factorizations.
-) Apply the results of Chinese remainder theorem, Fermat's Little theorem and Wilson's theorem.
-) Analyse residue classes and its applications.
-) Understand the concept of different arithmetic functions and their relations

CO 6: DIFFERENTIAL GEOMETRY

On completion of this course, the students will be able to:

-) Evaluate the curvature and torsion of space curves and understand the fundamental theorem for space curves
-) Understand the concept of involutes and evolutes with the help of examples.
-) Remember about Gaussian map and Gaussian curvature of a curve.
-) Analyse the concept related to conjugate directions, asymptotic lines and fundamental forms.

CO 7: FUNCTIONAL ANALYSIS

On completion of this course, the students will be able to:

-) Understand the concept of norm and its completeness.
-) Study the concept of Hahn-Banach Theorem, Open mapping theorem, Closed graphs.
-) Analyse the difference between Banach Spaces and Hilbert Spaces. Also check the totality of orthonormal sets.
-) Understand the basic concepts of operators and its classification.

CO 8: RINGS & MODULES

On completion of this course, the students will be able to:

-) Understand the concept of UFD, PID, Euclidean domain and polynomial rings.
-) Remember the examples of Modules and apply homomorphism theorems on it. Also analyse the difference between vector spaces and modules.
-) Remember results related to Artinian modules and Noetherian modules.
-) Understand the basic concepts of radicals and their properties

CO 9: TOPOLOGY

On completion of this course, the students will be able to:

-) Understand the topological spaces and having a grasp on basic results on set theory.
-) Evaluate interior, closure, boundary points, limit points of subsets and to create basis, subbasis of topological spaces.
-) Understand the continuity of functions in general way, concepts of homeomorphism and to distinguish the spaces

up to homeomorphisms.

-) Analyse the connectedness and path connectedness of spaces.

CO 10: MEASURE THEORY

On completion of this course, the students will be able to:

-) Understand the basic definition, concepts of outer measure of sets.
-) Analyse the Lebesgue integral and their properties.
-) Understand the concepts of functions of bounded variation and the absolute continuity of functions.
-) Learn and apply the Holder and Minkowski inequalities in L^p spaces and understand the completeness of L^p spaces.

CO 11: NUMBER THEORY-II

On completion of this course, the students will be able to:

-) Understand the Fibonacci sequence, Golden Ratio and Farey Sequences
-) Evaluate the best rational approximation with the help of continued fraction.
-) Study the concepts of Binary Quadratic Forms
-) Analyse intriguing findings related to properties of prime numbers

CO 12: Special Functions

On completion of this course, the students will be able to:

-) Understand the basic concepts of Beta and Gamma functions
-) Evaluate the recurrence relation and orthogonality of Legendre, Laguerre and Bessel's functions.
-) Evaluate generating functions of Legendre, Laguerre and Bessel's functions.
-) Understand Hermite polynomial and its basic properties.

CO 13: Vedic Mathematics

On completion of this course, the students will be able to:

-) Understand the basic concepts of Vedic Sutras.
-) Analyse mathematical skills by learning new methods of basic mathematical operations for fast calculations.
-) Evaluate the squares and cubes of big numbers efficiently.
-) Understand the concept of calculating square roots and cube roots in quick way.

M.Sc. (Mathematics) - II
(Semester III & IV)

Programme Specific Outcomes:

PSO:2

-) Prepare and motivate students for research studies in mathematics and related fields.|
- Provide knowledge of a wide range of mathematical techniques and application of mathematical methods/tools in other scientific and engineering domains.
- Provide advanced knowledge on topics in pure mathematics, empowering the students to pursue higher degrees at reputed academic institutions.
- Nurture problem solving skills, thinking, creativity through assignments, project work.
- Sound knowledge of mathematical modeling, programming and computational techniques.
- Assist students in preparing (personal guidance, books) for competitive exams e.g. NET, GATE, etc.

COURSE LEARNING OUTCOMES:

CO 1: FIELD THEORY

On completion of this course, the students will be able to:

-) Identify and construct the examples of finite as well as infinite fields.|
-) Learn about constructing the algebraic, normal, separable, Galois, cyclic extensions of fields.|
-) Learn about the structures and extensions of given fields.|
-) Classify finite fields using roots of unity.|

CO 2: MATHEMATICAL METHODS|

On completion of this course, the students will be able to:

-) Perform integration and other operations by approximation techniques.|
-) Solve wide range of problems in physical sciences using calculus of variations.|
-) Translate a practical problem into mathematical problem and solve it by means of calculus.|
-) Familiarize various essential procedure and tools to solve Linear Integral Equations.|

CO 3: OPTIMIZATION TECHNIQUES

On completion of this course, the students will be able to:

-) Learn about the convex sets, their properties and the formulation of real-life problems into mathematical problem.|
-) Understand importance of optimization of industrial process management and apply basic concepts of mathematics to formulate an optimization problem.|
-) Study Linear Programming with applications to transportation, assignment problems and game theory|

CO 4: MATHEMATICAL STATISTICS-I

On completion of this course, the students will be able to:

-) Frame problems using numerous mathematical and statistical depictions of appropriate structures and relationships and to **solve** using standard techniques.|
-) Communicate clearly quantitative ideas both orally and in writing.|
-) Define, illustrate and apply certain frequently used discrete and continuous probability distributions.|

CO 5: CATEGORY THEORY – I

On completion of this course, the students will be able to:

-) Understand the basics concepts and methods of category theory.|
-) Enable the students work with commutative diagrams, and universality properties.|
-) Apply categorical ideas and methods in wide range of area of mathematics.|

CO 6: FUZZY SETS AND APPLICATIONS

On completion of this course, the students will be able to:

-) Understand the difference between crisp set theory and fuzzy set theory|
-) Recognize basic knowledge of fuzzy sets and fuzzy logic membership functions.|
-) Handle the problems having uncertain and imprecise data.|
-) Find the optimal solution of mathematical programming problems having uncertain and imprecise data.|

CO 7: ADVANCED TOPOLOGY

On completion of this course, the students will be able to:

-) Learn the concepts of net and filters in a topological space.|
-) Study separation axioms more specifically.|
-) Familiar with the Urysohn's Lemma and Tietze's extension theorem to characterize metrizable

spaces.]

] Study the concepts of compactness and to learn about Bolzano- Weierstrass property of a space and Tychonoff theorem.]

] Prove a selection of theorems concerning product topologies and quotient topologies.]

CO 8: NUMERICAL ANALYSIS

On completion of this course, the students will be able to:

] Recognize the errors, source of error and its effect on any numerical computations]

] Learn how to obtain numerical solution of nonlinear equations using bisection, secant, newton, and fixed-point Iteration methods.]

] Learn how to solve system of linear equations numerically using direct and iterative methods.]

] Understand how to approximate the functions using interpolating polynomials.]

] Learn how to solve definite integrals and initial value problems numerically.]

CO 9: FLUID MECHANICS

On completion of this course, the students will be able to:

] Understand the concept of fluid and their classification, models and approaches to study the fluid flow.]

] Familiar with three dimensional motions, Kelvin's Theorem.]

] Learn the concept of stress and strain in viscous flow]

CO 10: ADVANCED COMPLEX ANALYSIS(Prerequisite:COMPLEX ANALYSIS)

On completion of this course, the students will be able to:

] Demonstrate understanding of deeper aspects of complex analysis such as Riemann Mapping Theorem.]

] Know about harmonic function theory on a disk.]

] Enrich the students with concepts of convex and star like functions, close to convex functions.]

CO 11: PARTIAL DIFFERENTIAL EQUATIONS

On completion of this course, the students will be able to:

] Study the solutions of one-dimensional Wave and Heat equations employing the methods in Partial Differential equations.]

] Study Laplace's equation in two dimension and to prove a selection of theorems.]

CO 12: TENSOR CALCULUS

On completion of this course, the students will be able to:

] Introduce the concepts of dummy and free index and summation convention.]

] Learn the transformation of co-ordinates in Tensor notation]

] Enable the students to perform the matrix calculations in Tensor notation]

] Learn the curvilinear co-ordinates in Tensor notation.]

] Learn about properties and transformations of the Christoffel Symbol]

CO 13: MATHEMATICAL STATISTICS-II(Prerequisite MATHEMATICAL STATISTICS –I)

On completion of this course, the students will be able to:

] Study the concepts of statistics those are more helpful in conducting research.]

] Recognize and compute the sampling distributions of means and variances and the t- and F-distributions.]

] Understand, apply and compute in one and two sample test of Hypothesis problems.]

] Recognize the concept of ANNOVA techniques.]

CO 14: CATEGORY THEORY –II((Prerequisite: CATEGORY THEORY –I)

On completion of this course, the students will be able to:

] Understand the basics concepts and methods of category theory.]

] Study the Yoneda lemma and its applications.]

] Apply categorical ideas and methods in wide range of area of mathematics]

CO 15: COMMUTATIVE ALGEBRA

On completion of this course, the students will be able to:

] Know the localization of rings at prime ideal.]

] Know more closely the polynomial rings in one or more variables over a commutative ring and their prime spectrum.]

] Study constructions like tensor product and basic theory of it.]

] Understand the basic theory for support and associated prime ideals of modules and know primary decomposition of ideals.]

CO 16: OPERATIONS RESEARCH

On completion of this course, the students will be able to:

-) Identify and develop operation research models from the real system and to understand the mathematical tools that are needed to solve optimization problems.|
-) Demonstrate the network models and to learn the various algorithms for their solution.|
-) Gain knowledge about the queuing and replacement problems.|

CO 17: NON-LINEAR PROGRAMMING

On completion of this course, the students will be able to:

-) Classify the non-linear programming problems.|
-) Study unconstrained optimization methods, constrained optimization methods, convex analysis, Lagrangian relaxation, non-differentiable optimization, and applications in integer programming.|
-) Enhance the applications drawn from control, communications, power systems, and resource allocation problems.|

CO 18: ANALYTIC NUMBER THEORY

On completion of this course, the students will be able to:

-) Study the various arithmetic functions, their properties and to identify the multiplicative and completely multiplicative arithmetic functions.|
-) Enable the students to prove elementary result on sum over primes and use these to calculate averages of additive arithmetic functions.|
-) Study the Dirichlet's characters and their applications.|

CO 19: THEORY OF LINEAR OPERATORS

On completion of this course, the students will be able to:

-) Formally introduce the notion of operators and linearity.
-) Discuss basic operator terminology and the linear operators.
-) Study the basic know how of Null Spaces and Range Spaces.
-) Study Spectral Properties of Compact Linear Operators.

CO 20: ALGEBRAIC CODING THEORY

On completion of this course, the students will be able to:

-) Get an insight into matrix representation of a code as well as encoding and decoding.
-) Understand Hamming codes, BCH codes.
-) Learn about cyclic codes and their generator polynomial.
-) Understand the construction of binary codes in different ways and error detection and correction by various methods.

CO 21: ALGEBRAIC TOPOLOGY

On completion of this course, the students will be able to:

-) Grasp the basics of Algebraic Topology.
-) Determine fundamental groups of some standard spaces like Euclidean spaces and spheres.
-) Understand the theorems like Fundamental theorem of Algebra, Brower's fixed-point theorem, Borsuk-Ulam theorem

CO 22: SOLID MECHANICS

On completion of this course, the students will be able to:

-) Learn how to obtain stresses and deflection of beams on elastic foundation.
-) Apply various failure criteria for general stress states at points.
-) Analyze solid mechanics problems using classical methods and energy methods
-) Analyze the behavior of structural and machine components subject to various loading and support condition based on principle of equilibrium.

B.Sc. Honours Mathematics Program Outcomes (POs)

On completing the program , the students will be able to:

PO1	Create deep interest in learning Mathematics
PO2	Develop broad and balanced knowledge of elective subjects like Computer Science, Statistics, Accounts and Music
PO3	Familiarize the students with suitable tools of Mathematical analysis to handle issues and problems in Mathematics and related sciences.
PO4	Enhance the ability of learners to apply the knowledge and skills acquired by them during the programme to solve specific theoretical and applied problems in Mathematics and Computer science.
PO5	Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in Mathematics & Computer science and its allied areas on multiple disciplines concerned with Mathematics and computing
PO6	Encourage the students to develop a range of generic skills helpful in employment , internships and social activities.

Program Specific Outcomes (PSOs)

On completing the program, the students will be able to:

PSO1	Students completing this programme will be able to present Mathematics and computing clearly and precisely, make vague ideas precise by formulating them in the language of Mathematics & computing and describe mathematical ideas from multiple perspectives.
PSO2	Students acquire a systematic understanding of the fundamental concepts and theories of Mathematics and can explain to non-mathematicians.
PSO3	This programme will also help students to enhance their employability for government jobs, jobs in banking, insurance and investment sectors, data analyst jobs and jobs in various public and private enterprises, and help students to qualify JAM, NBHM, CAT, UPSC etc.
PSO 4	Strengthen the mathematical ability & computing knowledge, abstract intelligence and orient them towards higher mathematics, computing and research

BHMT102(A): DIFFERENTIAL CALCULUS

Course Objectives: The Primary objective of this course is

- To apply function of two or multivariable in real life.
- To understand the concept of functions of one and two variables.
- To understand the concept of the n th order derivative using Leibnitz theorem.
- To familiarize with concavity, convexity and Asymptotes.
- To understand the concept of two or more variables for differential calculus.

BHMT103: ALGEBRA AND TRIGONOMETRY

Course Objectives: The Primary objective of this course is

-) To recognize consistent and inconsistent systems of linear equations by the row echelon form of matrices.
-) To find eigen values and corresponding eigenvectors for a square matrix.
-) To understand the importance of roots of real and complex polynomials.
-) To learn various methods of solving equations.
-) To apply De Moivre's Theorem to solve numerical problems.

BHMT105(A): (i) MATHEMATICAL FOUNDATION OF STATISTICS

Course Objectives: The Primary objective of this course is to introduce the students with Statistics.

-) To learn with definitions, aims, scope and significance of statistics.
-) To learn various measures of central tendency and dispersion.
-) To understand the concept of Correlation and Regression.
-) To understand the concept of Index Number and Time Series

(SEMESTER - II)

BHMT101: SEQUENCE AND SERIES

Course Objectives: The Primary objective of this course

-) To introduce students with the concept of sequence of real numbers and its convergence.]
-) To introduce Cauchy and monotonic sequences and to check existence of their limit superior, limit inferior.]
-) To test convergence and divergence of infinite series.]
-) To introduce knowledge of different kinds of convergence criterion for series.]

BHMTTH 202(A): ANALYTICAL GEOMETRY

Course Objectives: The Primary objective of this course is

-) To enable the students understand the applications of plane and solid geometry.]
-) To understand the properties of ellipse, parabola and hyperbola.]
-) To be well-versed with sphere, cone and cylinder.]

BHMTTH 204(A): LINEAR PROGRAMMING

Course Objectives: The Primary objective of this course is

-) To analyze and solve linear programming models in real life situations.
-) To provide graphical solutions to linear programming problems in two variables
-) To understand the relationship between Primal and Dual problems.
-) To acquaint the students with the Transportation, Assignment and Game problems along with the applications.

SEMESTER III

BHMTTH 301: INTEGRAL CALCULUS

Course Objectives: The Primary objective of this course is

-) To discuss the concepts of integrals related to Hyperbolic Functions.
-) To learn solving the integrals using Reduction formulas.
-) To apply the concepts of Integration to find Quadrature , Length of arc.
-) To apply knowledge and skills relating to anti-differentiation to solve problems.
-) To Describe the Riemann Integral, Double and Triple Integrals and their applications.

BHMTTH 302: DIFFERENTIAL EQUATIONS-I

Course Objectives: The Primary objective of this course is

-) To discuss the various techniques about the solution of First and Higher order Differential Equations
-) To learn about the various methods to solve differential equations with constant and variable coefficients.
-) To exhibit the techniques for obtaining solutions using power series.

BHMTTH 303: NUMBER THEORY-I

Course Objectives: The Primary objective of this course is

-) To define and interpret the concepts of prime numbers, divisibility, congruence, g.c.d., prime factorizations.
-) To find quotients and remainders from integer division
-) To apply the concepts of Fibonacci sequence and Golden Ratio in real life.
-) To learn about some open problems in number theory.
-) To improve the ability of mathematical thinking.
-) To learn about intriguing findings related to properties of prime numbers.

BHMTTH 304: NUMERICAL METHODS

Course Objectives:

-) To study appropriate numerical methods to solve algebraic and transcendental equations.
-) To learn about the rules of numerical integration
-) To Interpolation Methods and its applications.
-) To Solve first order initial value problems of ODE's

SEMESTER IV

BHMTTH 401: REAL ANALYSIS

Course Objectives:

-) To recognize the functions of bounded variation.
-) To study Riemann- Stieltjes Integral with emphasis on Riemann Integral.
-) To understand the concept of power series
-) To apply the uniform convergence of series of functions in term by term Differentiation and Integration

BHMTTH 402: DIFFERENTIAL EQUATIONS- II

Course Objectives: The Primary objective of this course is

-) To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.
-) To understand how to extract information from partial derivative models in order to interpret reality.
-) To identify real phenomena as models of partial derivative equations.
-) To apply the concepts of the course in real life problems.

BHMT 403: NUMBER THEORY- II

Course Objectives: The Primary objective of this course is

-) To solve the Diophantine Equations.
-) To understand History of Fermat's Last Theorem.
-) To improve the ability of mathematical thinking.
-) To learn about intriguing findings related to properties of prime numbers.

BHMT 404: PROBABILITY THEORY

Course Objectives:

-) To understand the concept of random variables, probability mass function, probability density function.
-) To apply various discrete and continuous distributions into real life problems.
-) To study the applications of CLT.

(Semester - V)

BHMT 501 ABSTRACT ALGEBRA

Course Objectives: The Primary objective of this course are

- o To be able to understand the Group Structure and different properties of Groups.
- o To know the fundamental concepts in ring theory such as the concepts of ideals, quotient rings, integral domains and fields.
- o To learn in detail about polynomial rings, fundamental properties of finite field extensions and classification of finite fields.

BHMT 502 MATHEMATICAL METHODS

Course Objectives: The Primary objective of this course is

-) To know about piecewise continuous functions, Dirac delta function, Laplace transforms and its properties.
-) To solve ordinary differential equations using Laplace transforms.
-) To familiarize with Fourier transforms of functions belonging to L class, relation between Laplace and Fourier transforms.
-) To learn the concept of Fourier series.
-) To apply the concepts of the course in real life problems.

BHMT 503 STATICS

Course Objectives: The Primary objective of this course is

-) To introduce the students with concept of matter at rest.
-) To understand necessary conditions for the equilibrium of particles acted upon by various forces and learn the principle of virtual work for a system of coplanar forces acting on a rigid body.
-) To determine the centre of gravity of some materialistic systems and discuss the equilibrium of a uniform cable hanging freely under its own weight.

BHMT 504: (i) DISCRETE MATHEMATICS

Course Objectives: The Primary objective of this course is

-) To learn about partially ordered sets, lattices and their types.
-) To understand Boolean algebra and Boolean functions, logic gates, switching circuits and their applications.
-) To enable students to solve real-life problems using finite-state and Turing machines.
-) To assimilate various graph theoretic concepts and familiarize with their applications.

BHMT 504: (ii) TENSOR CALCULUS

Course Objectives

-) To introduce the concepts of dummy and free index and summation convention.
-) To learn the transformation of co-ordinates in Tensor notation
-) To enable the students to perform the matrix calculations in Tensor notation

-) To learn the curvilinear co-ordinates in Tensor notation.

BHMTTH 505: (i) LEBESGUE THEORY OF INTEGRATION

Course Objectives:

-) To study the basic definition, concepts of outer measure of sets, Measurable sets, σ algebra.
-) To study measurable functions and their properties.
-) To demonstrate the understanding of the fundamental integral convergence theorems and its applications.
-) To understand the requirement of Lebesgue integral and its difference from Riemann integral along with its properties.

BHMTTH 505: (ii) OPTIMIZATION TECHNIQUES

Course Objectives: The Primary objective of this course is

-) To demonstrate the network models and to learn the various algorithms for their solution.
-) To learn the sensitivity analysis which helps to measure the impacts of fluctuations in the parameters of Mathematical model or system on the outputs of the system.
-) To gain the knowledge about integer programming problem which is helpful in real life problems.

(Semester VI)

BHMTTH 601 COMPLEX ANALYSIS

Course Objectives: The Primary objective of this course is

-) To understand the concept of differentiability and analyticity for function of complex variable.
-) To learn the role of Cauchy Goursat theorem and Cauchy integral formula in evaluation of contour integrals.
-) To enable the students to apply Liouville's theorem in fundamental theorem of algebra.
-) To understand the convergence of a power series and its convergence.

BHMTTH 602 LINEAR ALGEBRA

Course Objective: This course aims to impart the knowledge of vector spaces, dependence and independence of vectors, concepts of basis and dimensions, linear transformations and their relation with matrices. On completion of this course, the student will be able to

-) Understand the concept of vector spaces, subspaces, bases, dimension and their properties.
-) Understand the relationship between matrices & linear transformations and their applications.
-) Learn properties of Rank & Nullity and realize the importance of linear transformation and its canonical form.

BHMTTH 603 DYNAMICS

Course Objectives: The Primary objective of this course is

-) To familiarize the concept of motion with constant acceleration and freely falling body.
-) To know about the inclined motion and variable acceleration.
-) To understand the concept of S.H.M and curvilinear motion.
-) To familiarize the concept of Linear momentum, angular momentum, conservation of angular momentum, impulsive forces, principle of impulse and momentum.

BHMTTH 604: (i) METRIC SPACES

Course Objectives: The Primary objective of this course is

-) To introduce the students to the definition of basic terms and concepts in metric space.
-) To provide students with systematic proofs of theorems using the definitions of basic terms and properties of metrics.
-) To treat the various basic concepts of open sets, limit points, convergent and Cauchy convergent sequences, complete spaces, compactness and connectedness etc. to the students.

BHMTTH 604: (ii) LINEAR INTEGRAL EQUATIONS AND VARIATIONAL PROBLEMS

Course Objectives: The Primary objective of this course is

-) To familiarize with linear integral equation of first and second kind
-) To learn to obtain differential equation and Volterra equation from each other.
-) To understand Fredholm's solution of integral equation for different values of determinants.
-) To know about symmetric kernel, Schwarz's Inequality and its applications.
-) To understand the formulation of variational problems, the variation of a functional and its

properties, extremum of functional, necessary condition for an extremum.

BHMTTH 605: (i) ALGEBRAIC CODING THEORY

Course Objectives: The Primary objective of this course is

-) To get an insight into matrix representation of a code as well as encoding and decoding.
-) To understand Hamming codes, BCH codes.
-) To learn about cyclic codes and their generator polynomial.
-) To understand the construction of binary codes in different ways and error detection and correction by various methods.

BHMTTH 605: (ii) PROBABILITY AND INFERENCE STATISTICS

Course Objectives: The Primary objective of this course is

-) To understand the difference between discrete and continuous distributions.
-) To understand the concept of sampling distributions.
-) To learn about applications of t and F and chi square test in daily life.

B.Sc. CSM (Computer, Statistics and Mathematics)

Programme Outcomes:

PO1. Create deep interest in learning mathematics, Statistics and computer science.

PO2. Enhance the ability to apply the knowledge of Mathematics, Computer Science and to design and conduct experiments, as well as to analyze and interpret data.

PO3. Familiarize the students with suitable tools of statistical and mathematical analysis to handle issues and problems in related sciences.

PO4. Enhance the ability to acquire required programming skills, formulate and solve practical problems.

PO5. Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in mathematics, statistics & computer science and its allied areas on multiple disciplines concerned with mathematics, statistics and computing.

PO6. Encourage the students to develop a range of generic skills helpful in employment, internships and social activities.

Programme Specific Outcomes:

PSO1. Students completing this programme will be able to present mathematics, statistics and computing clearly and precisely, make vague ideas precise by formulating them in the language of mathematics, statistics & computers and describe related ideas from multiple perspectives.

PSO2. The students will acquire the skills to use various sampling techniques, statistical inference, data analysis in MS-Excel, implementation of numerical algorithms by using various programming languages.

PSO3. This programme will also help students to enhance their employability for government jobs, jobs in banking, insurance and investment sectors, data analyst jobs and jobs in various public and private enterprises, and help students to qualify JAM, NBHM, CAT, UPSC etc.

PSO4. Strengthen the mathematical ability & computing knowledge, abstract intelligence and orient themselves towards higher mathematics, statistics, computing and research.

BCSM-101: ALGEBRA AND TRIGONOMETRY

Course Learning Outcomes:

On completion of this course, the student will be able to

CO-1. Learnt methods to solve the equations.

CO-2. Recognize consistent and inconsistent systems of linear equations by the row echelon form of the matrices.

CO-3. Understand how to find eigenvalues and corresponding eigenvectors for a square matrix.

CO-4. Apply De Moivre's Theorem to solve numerical problems.

BCSM-102: DIFFERENTIAL CALCULUS

Course Learning Outcomes:

On completion of this course, the student will be able to

CO-1. Apply the functions of one variable for differential calculus in real life.

CO-2. Understand the concept of the nth order derivative with and without using Leibnitz theorem.

CO-3. Familiarize with concavity, convexity and Asymptotes.

CO-4. Understand and apply the concept of two or more variables for differential calculus in real life.

BCSM 103: DESCRIPTIVE STATISTICS AND INTRODUCTORY PROBABILITY

Course Learning Outcomes:

On completion of this course, the student will be able

CO-1. To learn various techniques for graphical representation of data.

CO-2. To understand the concept of correlation and regression of data.

CO-3. To study the basic concepts of data collection and its analysis.

- CO-4. To learn the four descriptive measures of frequency distribution: Central tendency, Dispersion, Skewness and Kurtosis.

BCSM 105: FUNDAMENTALS OF INFORMATION TECHNOLOGY

Course Learning Outcomes:

On completion of this course, the student will be able to

- CO-1. Understand the various number system techniques and its conversion.
- CO-2. Understand the basic concepts of hardware & software, terminology and use of IT tools.
- CO-3. Understand the concept of word processor, presentation and spreadsheet.
- CO-4. Understand the concept of Operating system and various Office Automation tools.

BCSM 106: PROGRAMMING USING C

Course Learning Outcomes:

After completion of this course students will able to

- CO-1. Understand the basic terminology used in computer programming.
- CO-2. Describe various Data types, Operators, Control structures, Function in C.
- CO-3. Understand the concepts of different user-defined data types such as Arrays, Strings, Structures, and Unions etc.
- CO-4. Learn Pointers and File handling techniques.

BCSM 107: SOFTWARE LAB-I (BASED ON BCSM 105 & BCSM 106)

Course Learning Outcomes:

After completion of this course students will able to:

- CO-1. Prepare documents, spreadsheets, make small presentations with audio, video, graphs, charts and animations.
- CO-2. Create, edit, save and print documents with list tables, header, footer, graphic, spellchecker, mail merge and grammar checker.
- CO-3. Describe basics, various Data types, Operators, Control structures, Function in C.
- CO-4. Understand the concepts of different user-defined data types such as Arrays, Structures, Pointers and File Handling etc.

BCSM 201: SEQUENCE AND SERIES

Course Learning Outcomes:

On completion of this course, the student will

- CO-1. Assimilate the notions of limit of a sequence and convergence of a sequence of real numbers.
- CO-2. Recognize bounded, convergent, divergent, Cauchy and monotonic sequences and to calculate their limit superior, limit inferior, and the limit of a bounded sequence.
- CO-3. Capable of testing convergence and divergence of infinite series of real numbers.
- CO-4. Have knowledge of different kinds of tests for convergence/ divergence.

BCSM 202- PLANE AND SOLID GEOMETRY

Course Learning Outcomes:

On completion of this course, the student will

- CO-1. Be aware of the applications of plane and solid geometry.
- CO-2. Understand properties of ellipse, parabola and hyperbola and their properties.
- CO-3. Be well-versed with sphere & cone and their properties.

BCSM 203: DISTRIBUTION THEORY

Course Learning Outcomes:

On completion of this course, the student will be able

- CO-1. To understand the concept of random variables, probability mass function, probability density function.
- CO-2. To understand various discrete and continuous distributions.
- CO-3. To understand the applications of Central Limit Theorem.

BCSM 205: DATA STRUCTURES

Course Learning Outcomes:

After completion of this course students will able to:

- CO-1. Access the choices of data structure and how it impact the performance of the programs.
- CO-2. Describe the basic concept and implementation of various Data Structures.
- CO-3. Solve problems based upon different data structures to develop the software.
- CO-4. Design new algorithms or modify existing ones for new applications and able to analyze the Space and time efficiency.

BCSM 206: DATABASE MANAGEMENT SYSTEM

Course Learning Outcomes: After completion of this course students will able to:

- CO-1. Gain a good understanding of the architecture and functioning of database management systems, principles of data modelling.

CO-2. Design ER-models to represent simple database application scenarios and Convert the ER-model to relational tables.

CO-3. Design database and improve the database design by normalization.

CO-4. Understand the use of structured query language and its syntax, transaction database recovery and techniques in MySQL.

BCSM 207: SOFTWARE LAB-II (BASED ON BCSM 205 & BCSM 206)

Course Learning Outcomes

After completion of this course student will able to:

CO-1. Implement various Linear and Non-linear Data Structures.

CO-2. Solve problems based upon different data structures to develop the software.

CO-3. Understand basic concepts of storing information in database via tables and SQL syntax used with MySQL.

CO-4. Learn how to retrieve, manipulate, filter, update and insert data.

B.SC(CSM)PART-II (SEMESTER III)

Paper: BCSM-301: Integral Calculus

Course Objectives:

-) To analyze and find integral of hyperbolic function, rational function, trigonometric function and logarithmic function.
-) To understand the concept of Improper Integral and multiple integral.
-) To understand the concept of beta and gamma functions.

BCSM-302: Differential Equations-I

Course Objectives: The Primary objective of this course is

-) To know about solutions of first and higher order differential equations.
-) To exhibit the techniques for obtaining solutions to ordinary differential equations.
-) To investigate the qualitative and quantitative behavior of solutions of system of differential equations.
-) To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.

BCSM-303: Statistical Inference- I

Course Objectives: Course Objective for the Statistical Inference is

1. To teach the students the concepts of parameter and statistics and estimation of parameters.
2. The aim is to teach students to formulate the null and alternative hypothesis regarding a population.
3. To make the students capable of performing tests of hypothesis as well as understanding the concept of p-value.
4. To enable the students of finding best estimator and confidence interval for population parameter

BCSM-304: Applied Statistics

Course Objective: Course Objective for the applied statistics is:

1. To equip the students with various forecasting techniques and knowledge on modern statistical methods to analyze the time series data.
2. To make students identifying the components of a time series and be able to isolate them.
3. To make students understand the concept of index numbers and to study various Price index numbers and their uses.
4. To understand the concept of demand and supply and changes in related variables.

BCSM-306: Web Technologies

Course Objective

The objective of the course is to understand the basics of Web Technologies and to make students capable of designing websites.

Course Learning Outcomes:

After completion of this course students will able to:

CO1: Understand basics of internet technologies and HTML.

CO2: Design a media-rich dynamic websites using text, fonts, colors, images, tables, hyperlinks and client side scripting.

CO3: Explore the different platforms and hypertext languages.

CO3: Learn to connect websites with databases and basic operations.

BCSM-307: Computer Networks and Internetworking Applications

Course Objective

The objective of the course is to understand the basics of Computer Networking and to make students aware of the network management and different applications of internetworking.

Course Learning Outcomes:

After completion of this course students will able to:

CO1: Describe how communication works in computer networks and to understand the basic terminology of computer networks.

CO2: Understand the Reference Models in Networking and communication media.

CO3: Analyse the role of switching and different protocols in networking.

CO4: Learn about the networking devices and remote file access.

(SEMESTER IV)**BCSM-401: Real Analysis****Course Objectives:**

-) This course is designed to provide knowledge about Riemann integrals and convergence. Their applications are also included to clear the topic to students.
-) The aim of this course is to make the students familiar with the use of vectors and vector calculus so that they may employ the same in an effective manner to various applications in science subjects and to exhibit the techniques of solving ordinary and partial differential equations.
-) To understand the concept of sequence and series of functions.

BCSM-402: Differential Equations-II

Course Objectives: The Primary objective of this course is

-) To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.
-) To understand how to extract information from partial derivative models in order to interpret reality.
-) To identify real phenomena as models of partial derivative equations.
-) To apply the concepts of the course in real life problems.

BCSM-403: Statistical Inference- II

Course Objective: Course Objective for the statistical inference-II is:

1. To enable students estimate unknown parameters of a population and understand the concepts related with most powerful tests.
2. To enable students understand the application of Central Limit Theorem and obtain inferences about a population when sample size is large.
3. To check the significance of a null hypothesis against an alternative hypothesis.

BCSM-404: Industrial Statistics

Course Objective: The course Objective for the subject is

1. To form good statistics practitioner in the belief that the application of Statistics in Industrial setting requires a practical more than a theoretical approach.
2. To enable students understand the basic difference in statistical process control and lot control and techniques to achieve these in practice.
3. To familiarize the students with various concepts as used in Inventory control.

BCSM-406: Python Programming**Course Objective**

The objective of the course is to understand the basics of Python Programming and to make students capable enough to do programming with Python.

Course Learning Outcomes:

After completion of this course students will able to:

CO1: Describe Object oriented programming concepts in Python.

CO2: Explain various Data types, Control Structures, Functions, Modules and Sequence in Python.

CO3: Understand and summarize the different File handling operations.

CO4: Interpret the concept of Exception Handling in Python

BCSM-407: Operating System**Course Objective**

The objective of the course is to understand the basics of Operating System and to make students aware of the CPU scheduling.

Course Learning Outcomes:

After completion of this course students will able to:

CO1: Describe different types of operating systems along with concept of filesystems and CPU scheduling algorithms used in operating system.

CO2: Develop deadlock handling algorithms and learn Memory management.

CO3: Implement various algorithms required for management, scheduling, allocation and communication used in operating system.

CO4: Describe and analyze the memory management, storage management and its policies

BCSM 501: ABSTRACT ALGEBRA

Course Learning Outcomes:

On completion of this course, the student will be able to

CO-1. Link the fundamental concepts of groups and symmetries of geometrical objects.

CO-2. Explain the significance of the notions of cosets, normal subgroups, and factor groups.

CO-3. Understand the fundamental concepts in ring theory such as the concepts of ideals, quotient rings, integral domains, and fields.

CO-4. Learn the concept of Homomorphism and Isomorphism in Groups and Rings.

BCSM 502(I): DISCRETE MATHEMATICS

Course Learning Outcomes:

On completion of this course, the student will be able to

CO-1. Learn about partial ordered set and applications.

CO-2. Understand about Boolean algebra and Boolean functions, logic gates, switching circuits and their applications.

CO-3. Understand concepts of various graphical concepts and familiarize with their applications.

BCSM 502(II) LAPLACE AND FOURIER TRANSFORMS

Course Learning Outcomes:

On completion of this course, the student will

CO-1. Have Knowledge about piece wise continuous functions, Dirac delta function, Laplace transforms and its properties.

CO-2. Be familiarized with Fourier transforms of functions belonging to class, relation between Laplace and Fourier transforms.

CO-3. Recognize of the concepts of the course in real life problems.

BCSM 503: LINEAR PROGRAMMING

Course Learning Outcomes:

On completion of this course, the student will be able to

CO-1. Understand how to analyze and solve linear programming models in real life situations.

CO-2. Provide graphical solutions to linear programming problems in two variables.

CO-3. Know about the relationships between the Primal and Dual problems

CO-4. To acquaint to students to Transportation, Assignment and game theory along with their applications.

BCSM 505(i): SAMPLE SURVEYS

Course Learning Outcomes:

After completion of this course students will able to:

CO-1. differentiate between complete census and sample.

CO-2. Learn about sampling and non-sampling errors.

CO-3. Understand the principle of Sample Surveys.

CO-4. understand the concept of Simple random sampling, Stratified sampling, Ratio and Regression method of sampling.

BCSM 505 (ii): VITAL STATISTICS

Course Learning Outcomes:

Upon completion of this course, students should be able to:

CO-1. Measures Fertility rate, Mortality rate, Gross and Net Reproduction Rate.

CO-2. Understand the construction of Life Tables and its uses.

CO-3. Understand the concept of Stationary and Stable Population.

BCSM 506: STATISTICS LAB-V(B) (Based on BCSM 505) (Option i)

Course Objectives:

The Primary objective of this course is

) To draw a random sample using various techniques.

) To understand SRS with and without replacement.

) To see the efficiency of Simple random sampling, Stratified sampling, Ratio and Regression estimation.

) To learn about the applications of various numerical methods.

BCSM 506: STATISTICS LAB-V(B) (Based on BCSM 505) (Option ii)

Course Learning Outcomes: Upon completion of this course, students should be able to:

) Measures Fertility rate, Mortality rate, Gross and Net Reproduction Rate.

-) the construction of Life Tables and its uses.
-) Stationary and Stable Population.

BCSM 507(i): E-COMMERCE

Course Learning Outcomes:

After completing this course the students will be able to:

- CO-1. Understand the concept of E-Commerce and the importance of the Internet & WWW.
- CO-2. Classify E-Commerce models.
- CO-3. Understand online marketing and its different models.
- CO-4. Familiarize with E-Payment systems, Mobile Commerce, E-Business portals.

BCSM 507(ii): Cloud Computing Course Learning Outcomes

After completion of this course students will be able to:

- CO-1. Apply the fundamental concepts in cloud infrastructure to understand the single and multiple data centres.
- CO-2. Outline the role of hardware and software for third party.
- CO-3. Analyse the various cloud computing techniques to solve the problems on the cloud.
- CO-4. Meet the evolution, its applicability, benefits as well as current and future challenge.

BCSM 508: JAVA PROGRAMMING

Course Learning Outcomes

After completion of this course the students will be able to:

- CO-1. Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
 - CO-2. Identify classes, objects, members of a class and the relationships among them needed for finding the solution to specific problem.
 - CO-3. Demonstrate how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved
 - CO-4. Demonstrate understanding and use of different exception handling mechanisms concept of multithreading for robust faster and efficient application development.
- BCSM 509: SOFTWARE LAB-V (BASED ON BCSM 508)

Course Objective

The aim of this course is to enable students to develop robust and faster object-oriented applications using the concepts of multithreading and exception handling.

Course Learning Outcomes

After completion of this course the students will be able to:

- CO1: Implement Object Oriented programming concept of control Structures, strings and function for developing the logic building activity using Java.
- CO2: Identify classes, objects, members of a class and the relationships among them needed for finding the solution of problems by designing the programs.
- CO3: Implement programs related to reusability using inheritance, interfaces and packages.
- CO4: Design and implement programs of exception handling mechanisms and multithreading for efficient application development.

BCSM 601: LINEAR ALGEBRA

Course Learning Outcomes:

On completion of this course, the student will be able to

- CO-1. Understand the concept of vector spaces, subspaces, bases, dimension and their properties.
- CO-2. Understand the relationship between matrices & linear transformations and their applications.
- CO-3. Learn properties of Rank & Nullity and realize the importance of linear transformation and its canonical form.

BCSM 602(i): MECHANICS

Course Learning Outcomes:

On completion of this course, the student will be able to

- CO-1. Familiarize with subject matter, which has been the single center, to which were drawn mathematicians, physicists, astronomers, and engineers together.
- CO-2. Understand the necessary conditions for the equilibrium of particles acted upon by various forces and learn the principle of virtual work for a system of coplanar forces acting on a rigid body and their applications.
- CO-3. Familiarize the concept of motion with constant acceleration and freely falling body and their applications.
- CO-4. Know about the inclined motion and variable acceleration and their applications and understand the concept of Simple Harmonic Motion and curvilinear motion and their applications.

BCSM 602 (ii): COMPLEX ANALYSIS

Course Learning Outcomes:

On completion of this course, the student will be able to

- CO-1. Understand the significance of differentiability and analyticity of complex functions leading to the Cauchy Riemann equations.
- CO-2. Learn the role of Cauchy Goursat theorem and Cauchy integral formula in evaluation of contour integrals. Understand how to apply Liouville's theorem in fundamental theorem of algebra.
- CO-3. Understand the convergence, term by term integration and differentiation of a power series and learnt Taylor and Laurent series expansions of analytic functions.
- CO-4. Classify the nature of singularity, poles and residues and application of Cauchy Residue theorem.

BCSM 603: COMPUTER ORIENTED NUMERICAL METHODS

Course Learning Outcomes:

On completion of this course, the students learnt

- CO-1. Appropriate numerical methods to solve algebraic and transcendental equations.
- CO-2. To find numerical solutions of system of linear equations.
- CO-3. How to study Interpolation Methods and its applications.
- CO-4. To apply various numerical methods in real life problems.

BCSM 605(i): ANALYSIS OF VARIANCE AND DESIGN OF EXPERIMENTS

Course Learning Outcomes:

On completion of this course, the student will be able

- CO-1. To understand the concept of one way and two way ANOVA.
- CO-2. To understand the fundamental concepts of design of experiments.
- CO-3. To understand the completely randomized design, Randomized block design, Latin square design and to learn about the applications of various factorial design.
- CO-4. The use and application of various factorial design.

BCSM 605 (ii): Optimization Techniques

Course Learning Outcomes:

Upon completion of this course, students should be able to:

- CO-1. Understand the concept of Integer programming.
- CO-2. Understand the concept of Sensitivity analysis.
- CO-3. Draw Network and find minimal spanning tree.
- CO-4. Assign the n jobs on 2 machines, 3 machines.
- CO-5. Assign the 2 jobs on m machines.

CSM 607(i): Advanced Database Management System

Course Learning Outcomes: After completion of this course students will be able to:

- CO1: Understand and explore the underlying principles of Relational Database Management System.
- CO2: Understand the concept of a database transaction and related database facilities, including concurrency control, backup and recovery, and data object locking and protocols.
- CO3: Construct simple and moderately advanced database queries using Structured Query Language (SQL).
- CO4: Implement and maintain an efficient database system using emerging technologies and tools.

BCSM 607(ii): CONTENT MANAGEMENT SYSTEM

Course Learning Outcomes:

After completion of this course students will be able to:

- CO1: Understand the need of content management system and various tools for it.
- CO2: Study the basics of Word Press and cPanel.
- CO3: Learn to install and customize different plugins.
- CO4: Explore the advanced Word Press features.

BCSM 608: SOFTWARE ENGINEERING

Course Learning Outcomes

After completion of this course students will be able to:

- CO1: Analyse software development process models, including spiral model and traditional models like waterfall.
- CO2: Apply software life cycle through requirements gathering, choice of process model and design model for developing projects.
- CO3: Acquire knowledge about software estimation techniques and configuration management for creating project baselines.
- CO4: Perform various activities like implementing, testing and maintenance.

BCSM 609: SOFTWARE LAB-VI

(Based on BCSM 607(i): Advanced Database Management System)

Course Learning Outcomes: After completion of this course students will able to:

CO1: Explore, organize, maintain and retrieve the data from Oracle effectively and efficiently.

CO2: **Use** a SQL interface of a relational DBMS package to create, secure, maintain, and query a database.

CO3: Write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS.

CO4: **Formulate** query, using SQL, solutions to a broad range of query and data update problems.

CSM 609: SOFTWARE LAB VI

BASED ON BCSM 607(ii): Content Management System

Course Learning Outcomes:

After completion of this course students will able to:

CO1: Install different CMS tools and understand the use of cPanel for websites.

CO2: Add different type of content in the website and maintain it.

CO3: Add extended functionalities and manage users and profile.

CO4: Learn protection scheme, backup and restoration of database and files.

B.Sc. (Non-Medical)

BSNM 303 Paper-V: Integral Calculus

The Primary Objective of this course is

- To analyze and find integral of hyperbolic function, rational function, trigonometric function and logarithmic function.
- To understand the concept of Improper Integral and multiple integral.
- To understand the concept of partition and fundamental concept of Riemann Integrability.

BSNM 303 Paper-VI: Differential Equations-I

The Primary objective of this course is

- To know about solutions of first and higher order differential equations.
- To exhibit the techniques for obtaining solutions to ordinary differential equations.
- To investigate the qualitative and quantitative behaviour of solutions of system of differential equations.
- To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.

BSNM 403 Paper-VII: Real Analysis

- This course is designed to provide knowledge about Riemann integrals and convergence. Their applications are also included to clear the topic to students.
- The aim of this course is to make the students familiar with the use of vectors and vector calculus so that they may employ the same in an effective manner to various applications in science subjects and to exhibit the techniques of solving ordinary and partial differential equations.
- To understand the concept of sequence and series of functions.

BSNM 404 Paper-VIII: Differential Equations-II

The Primary objective of this course is

- To know about solutions of first and higher order partial differential equations.
- To exhibit the techniques for obtaining solutions to ordinary differential equations.
- To investigate the qualitative and quantitative behavior of solutions of system of differential equations.
- To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.
- To understand how to extract information from partial derivative models in order to interpret reality.
- To identify real phenomena as models of partial derivative equations.
- To apply the concepts of the course in real life problems.

B.A.

BA 314 Paper-V: Integral Calculus

The Primary Objective of this course is

- To analyze and find integral of hyperbolic function, rational function, trigonometric function and logarithmic function.
- To understand the concept of Improper Integral and multiple integral.
- To understand the concept of partition and fundamental concept of Riemann Integrability.

BA 314 Paper-VI: Differential Equations-I

The Primary objective of this course is

- To know about solutions of first and higher order differential equations.
- To exhibit the techniques for obtaining solutions to ordinary differential equations.
- To investigate the qualitative and quantitative behaviour of solutions of system of differential equations.
- To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.

BA 414 Paper-VII: Real Analysis

- This course is designed to provide knowledge about Riemann integrals and convergence. Their applications are also included to clear the topic to students.
- The aim of this course is to make the students familiar with the use of vectors and vector calculus so that they may employ the same in an effective manner to various applications in science subjects and to exhibit the techniques of solving ordinary and partial differential equations.
- To understand the concept of sequence and series of functions.

BA 414 Paper-VIII: Differential Equations-II

The Primary objective of this course is

- To know about solutions of first and higher order partial differential equations.
- To exhibit the techniques for obtaining solutions to ordinary differential equations.
- To investigate the qualitative and quantitative behaviour of solutions of system of differential equations.
- To develop interests in solving a number of problems related to model natural phenomena, engineering systems and many other situations.
- To understand how to extract information from partial derivative models in order to interpret reality.
- To identify real phenomena as models of partial derivative equations.
- To apply the concepts of the course in real life problems.

M.Sc. (Fashion Designing)-II

MFDT 302: Statistics

Course Objectives: The Primary objective of this course is to introduce the students with Statistics.

- To learn with definitions, aims, scope and significance of statistics.
- To learn various measures of central tendency and dispersion.
- To understand the concept of Correlation and regression

MFDT 303: Research Methodology

Course Objectives: By the end of the course students should be able to:

- Demonstrate the ability to choose methods appropriate to research aims and objectives
- Understand the limitations of particular research methods
- Develop skills in qualitative and quantitative data analysis and presentation
- Develop advanced critical thinking skills
- Demonstrate enhanced writing skills

B.C.A.-II: Maths Syllabus

BCA 306(i): Discrete Maths

Throughout the course, students will be expected to demonstrate their understanding of Discrete Mathematics by being able to do each of the following:

-) Use mathematically correct terminology and notation.
-) Construct correct direct and indirect proofs.
-) Use division into cases in a proof.
-) Use counter examples.
-) Apply logical reasoning to solve a variety of problems.

BCA 306(ii): Computer Oriented Numerical and Statistical Methods

Upon completion of the course students shall be able to:

-) Recognize the error in the number generated by the solution.
-) Compute solution of algebraic and transcendental equation by numerical methods like Bisection method and Newton Raphson method.
-) Recognize elements and variable in statistics and summarize qualitative and quantitative data.
-) Calculate mean, median and mode for individual series.
-) Outline properties of correlation and compute Karl-Pearson's coefficient of relation.

B.Voc.(Software Development)-II

BVG 019 Discrete Maths

Throughout the course, students will be expected to demonstrate their understanding of Discrete Mathematics by being able to do each of the following:

-) Use mathematically correct terminology and notation.
-) Construct correct direct and indirect proofs.
-) Use division into cases in a proof.
-) Use counterexamples.
-) Apply logical reasoning to solve a variety of problems.

B.Sc.Honors Physics: Maths Syllabus

BHPHY-GE3: Differential Equations and Fourier series

The objective of the course is to enable the students to understand the basic concepts related to ordinary differential, partial differential equations and Fourier series and their applications.

BHPHY-GE3-BM: Matrices

This course familiarizes the students with the theory of matrices which are used in solving equations in mechanics and other streams used in Mathematics, Physics etc.

BHPHY-GE4: Integral Transforms and Complex Analysis

To acquaint the students with the application of Laplace transforms to solve ordinary differential equations. Moreover, basics of Complex Analysis are also included in this course.

BHPHY-GE4-BM: Vector Analysis, Differential Equations and Transforms

The aim of this course is to make the students acquire facility and confidence in the use of vectors and vector calculus so that they may employ the same in an effective manner to various applications and to exhibit the techniques of solving ordinary and partial differential equations.

DEPARTMENT OF MUSIC INSTRUMENTAL**Programme outcomes:**

Music Instrumental is a Subject in Which Students learns various types of instrumental study like Sitar, Guitar, Sarangi, Harmonium, Veena, Dilruba etc. Through the study of music Instrumental, the students are capable to earn in their own life. Student learns to perform Sitar and other Instruments as Solo as well as accompaniment instrument with various forms of classical, light and film music. Student can make his

or her future as director in music in film production as well as in other recordings. When a student begins his/her study in B.A. I, most of them know nothing about Sitar. But After Completing their B.A. Some of them Continue their Post Graduation, Master of Philosophy and Doctor of Philosophy in Music and some of them try to make their future as Stage performance. Inspiration of their Stage Performance starts in B.A. in Youth Festivals and Some other Competitions like Hari Vallabh Sangeet Sammelan, Devi Talab Temple in Jalandhar etc.

Class : B.A. : I

Objectives: The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion & Non Percussion instruments. The use of Laya and Taals in classical, light and folk music of India. It also gives the practical training to perform on stage with different Style of Indian Music (Classical, Semi Classical, Light & Folk Music on While different Instrument).

1) CONTENT : The course provides deep study of Indian Classical Percussion & Non Percussion Music. It defines the study of formation of Swaras and Taals. This course also explores the relation of Sitar with other Percussion & Non Percussion Instruments. It also tells about the role of Tabla in Classical Music.

Course outcomes A.**Knowledge and Understanding**

- 1) To study Relation of Sitar Percussion & Non Percussion Instruments.
- 2) To understand and Role of Tabla in Indian Classical Music.
- 3) To study about 10 Prans of Taals.

Except of all other aspects Students learns about western music through study of Harmonium and symphiser.

B. Intellectual (Cognitive/ Analytical) Skills:

1. To analyze the present form of all Indian Classical, Folk & Western Instruments in music.
2. Comparative study of Raagas and Taals Practical skills.
3. Analyze the study of performance, life and of outstanding performers of various gharanas in Music.

C. Practical Skills

- 1) Ability to play different alankars on Sitar and Harmonium with different Bols of Mizrab so that student may learn basics of different laykaries also.
- 2) Knowledge of Raagas and Other Percussion & Non Percussion Instruments of Classical folk and western music.

Class: B.A. CCXLIV

PO: The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion & Non Percussion instruments. The use of Laya and Taals in classical, light and folk music of India. It also gives the practical training to perform on stage with different Style of Indian Music (Classical, Semi Classical, Light & Folk Music on

While different Instrument).

CONTENT: The course provides deep study of Indian and western Percussion & Non Percussion instruments. It defines that how to use of different types of instruments, taals, Boles and also is taught the students the meaning of different words which we use in classical percussion music language. This course also provides the Knowledge about excellent renowned artist of Sitar, Tabla, Flute and eminent scholar to the students.

Course outcomes

A.Knowledge and Understanding.

- 1.To understand Guitar and Mridang instrument.
- 2.Study of basic components of Guitar and Mridang in Gayan and vadanshellies
- 3.To Understand the Knowledge of different Context like Gamak, Baaj, Avirbhova Tirobhava, Alaptava-Baheltava etc.
- 4.Relation of Guitar &Mridang in Context of Dhrupad Gayan shelly.
- 5.To understand the knowledge of different Comparative Study of Raags and Taals

B.Intellectual (Cognitive/ Analytical) Skills:

- . To analyze the components and Lyakaries of different Taals.
- . Comparative study of different Talas.
- . Analyze the study of Musicologists.

C.PracticalSkills

- 1)Students learns deeply about different Raagas to Perform on Stage.
- 2)Students learns to recite Taals with hand and Tabla to Understand the RythemsTaals in Mathematically way.

D.Transferable skills

- . Use of Layakari .
- . Techniques of perestation
- . Compare the study of Gharanas

OBJECTIVES : The main objective of the course is to aware students about the rich Indian culture of classical Music specially in the field of Indian Percussion & Non Percussion instruments. The use of Laya and Taals in classical, light and folk music of India. It also gives the practical training to perform on stage with different Style of Indian Music (Classical, Semi Classical, Light & Folk Music on While different Instrument).

CONTENT :The course provides deep study of Indian and western Percussion & Non Percussion instruments. It defines the use of different types of instruments, taals, boles and is also taught the students the meaning of different words which we use in classical percussion &non percussion music Instruments. This course also provides the Knowledge about excellent renowned artist of Sitar, Tabla, Flute and eminent scholar to the students.

Course outcomes

A.Knowledge and Understanding

- 1)Historical development of music in Vedic Period.
- 2)Study of music according to natyaShastar.
- 3)Knowledge of gharanas of Sitarsaaz.
- 4)Knowledge of Importants and uses of sound system in music.
- 5)Knowledge of biographical sketches of Popular Present performance like UstadBismillah Khan Sahib and Pt. Vishav Mohan Bhat,Ustad Abdul Haleem Jafer Khan Sahib and Dr. N Rajam.
- 6)Tabla, Rabab and DilRuba.

B.Intellectual(Cognitive/ Analytical) Skills:

- . To analyze the relation of different Taals.
- . Comparative study of different gharanas.
- . Knowledge of Importantsof Instruments in music, Importance of Taal in music and Raag And Ras.
- . Detail Study of Sarangi, Veena, Pakhawaj.

C.PracticalSkills

- 1)Solo Stage Performance of Sitar, Dilruba, Sarangi etc. in Indian Classical music.

- 2) Besides Classical music Students also learn about folk style of Sarangi and tries to perform other folk instruments also.
- 3) Ability to play National Anthem on Sitar and other Instruments.

P.G. Department Of Music Vocal

M.A. Music Vocal

Programme Outcome-

The Master degree focuses on understanding music through different methods like analytical, historic, pedagogical, and performance skills. It focuses on the training of human voice and also on the various vocal techniques used in singing. Through this degree students demonstrate acknowledgement, awareness and exploration of connections across music sub-disciplines and human experiences by integrating knowledge learned within the context of history, theory, performance and culture. In addition to the learning the students will be skilled with knowledge specific to their chosen field.

Programme Specific Outcome

PSO1- The Master degree focuses on understanding the scientific study of music. Through this degree the student learns and understands more of the base of Indian music i.e. Indian Classical music, also the students get aware of the other forms of music with specific reference to the rich heritage of our country i.e. semi classical music, light music, folk music etc. This course not only focuses on the practical part but also the theoretical part of music. Apart from choosing carrier as a performer, or as a composer or a studio recordist, or as an arranger a student can also go for further study at the doctoral level.

Course Outcomes CO1 (A)- Scientific and Acoustical study of Hindustani Music

This course is divided in two sections i.e. Section A & B. In section A, students are taught some major acoustical terms like Sound, Frequency, Pitch, Intensity and Timbre. They also learn different music scales that

include Pythagorean Scale, Diatonic Scale, and Equally Tempered Scale and understand the concepts of Reflection, Refraction and Diffraction in terms of Auditorium Acoustics.

In section B they are taught the concept of Notation system, Voice culture in the context of Hindustani Music. This section introduces student a detailed study of technical terms with special reference to their singing techniques like Margi, Deshi, Kan, Meend, Avirbhav-Tirobhav etc. They also learn the correct intonation of the Swar.

CO1 (B)- History of Indian Music

This course comprises of two sections; Section A & B. Section A provides the knowledge of the history of Indian music. It also includes the development of Indian music in Vedic, Hindu and Muslim period. Students get introduced with the life sketches and the contribution of music scholars and musicians like Ustad Sohan Singh, Bade Gulam Ali Khan, Prof. Tara Singh and Ustad Rashid Khan. They also get to understand the analytical study of Guru Granth sahib ji in the context of musical terms. In section B with the reference to Gharanas they learn the contribution of Punjab to Indian Classical Vocal Music and historical development of prescribed Gayan Shallis. Students also learn the origin, development and characteristics of Agra, Gwalior and Delhi Gharanas.

CO1 (C)- Stage Performance

This course plays important role in the personality development of students because it gives the students an opportunity to increase the level of their confidence. They perform on stage the various prescribed Raags accompanied with a Tanpura with all the necessary technicalities. They make use of an instrument like harmonium while performing folk song from Punjab Region which helps them to learn the use of instruments while singing. It gives students a way to connect with other people. Stage performance helps the students to demonstrate proper vocal technicalities.

CO1 (D)- Viva- Voce

In Viva Voce course paper knowledge achieved by the students from the above given courses is to be examined by the subject experts. Marks are awarded according to their performance and students also get to know about the level of knowledge.

CO1 (E) I- Study Of Indian Percussion Instrument I.E. Tabla:

On the completion of the course the students will be able to;

-) Gain the knowledge of percussion instruments.
-) Acquire the knowledge of comparative study of various Talas and its units.
-) Able to explain the playing techniques of Tabla.
-) Gain the knowledge of contributions of Tabla artists of various schools or Gharanas.

CO1 (E) II- Folk Music of Punjab:

On the completion of the course the students will be able to;

-) Identify the fundamental concept of folk music.
-) Examine the contributions of Male and female Punjabi Folk Singers.
-) Demonstrate the concept of folk music.
-) Interpret the concept various folk forms.
-) Distinguish between various types of folk songs.

Course Outcomes CO2 (A)- Scientific and Acoustical study of Hindustani Music

This course divided in two sections i.e. Section A&B. It makes the students understand the scientific and acoustical study of Hindustani Music. In section A they learn terms like Fundamental Frequency, Beats, Echo, Resonance, Consonance, Overtones and Reverb. They study about studio recording, techniques with special reference to composing and editing. Students learn about the analytical study of Indian Music system with special reference to their Swara, Raag, Gayan, Shallic and Taal system.

In section B students also studies the Shruti from Ancient to Modern Period. They understand the concept of Melody and Harmony in music and learn the importance and techniques how to use electronic gadgets in public performances.

CO2 (B) - History of Indian Music

This course comprises of two sections; Section A& B provides the knowledge of the history of Indian music. In section A development of Indian music in British and Post Independence Era period is studied. Students are introduced with the life sketches and the contribution of music scholars and musicians like Ustad Allah Rakha Khan, Pt. Ajoy Chakraborty, Ustad Amir Khan and Pandit A.T. Kanan. They learn the contribution of some royal patron like Mohan Singh Tomar, Wajid Ali Shah, and Mohammad Shah Rangila in the Indian music development.

In section B, Historical development of prescribed Gayan Shallics gets introduced. Student learns the origin, development and characteristics of Kirana, Jaipur and Rampur Sehaswan Gharanas. They also study Folk and Sufi Music traditions of Punjab.

CO2 (C)- Stage Performance

This course plays important role in the personality development of students because it gives the students an opportunity to raise their level of their confidence and overcome the stage fear. They perform on stage the prescribed Raags with all the technicalities. They use different instrument while performing Bhajan or a Shabad in classical style in Raag as prescribed in Sri Guru Granth Sahib which makes them learn the use of instruments while singing. They make use of Tabla and hands to demonstrate different types of Taal. Stage performance helps the students to demonstrate proper vocal technicalities.

CO2 (D)- Viva- Voce

In Viva Voce course paper knowledge achieved by the students from the above given courses is to be examined by the subject experts. Marks are awarded according to their performance and students also get to know about the level of knowledge.

CO2 (E) I- Study of Devotional Music:

On the completion of the course the students will be able to;

- Explore the ability of an artist with Sufism artistic aptitude.
- Have the ability to demonstrate various aspects of Gurmat Sangeet.
- Evaluate the mood created by the rendition of Raag
- Identify what Sufi music is, what is enjoyable to sing and profitable to society.
- Demonstrate the concept of devotional music.
- Interpret the concept of 'Gurmat Sangeet.

CO2 (E) II- Conceptual Aspects of Indian Music (Music Therapy):

On the completion of the course the students will be able to;

-) Acquire positive effects on mood resulting in better concentration and attention.

-) It will help reducing anxiety among students.
-) It will help the students fight with disorders i.e. Insomnia and Psychological disorders

PSO 2- The Master degree focuses on understanding the scientific study of music. Through this degree students demonstrate acknowledgement, awareness and exploration of connections across music sub-disciplines and human experiences by integrating knowledge learned within the context of history, theory, performance and culture.

Course Outcomes CO3 (A)- Aesthetical study of Hindustani Music (Music Vocal)

In this course students learn about the various principles of Aesthetics. It allows them to understand about the relationship of music with other forms of art. It helps the students to learn the comparison between traditional and contemporary system of musical teaching. The influence that music has throughout the world is immeasurable. With the ability to help in identifying the culture, as well as educate countries about other cultures, music also provides sense of knowledge. It can be a tool for many things like relaxation, stimulation and communication so students will also get to know about the impact of Globalization on Indian Music. They study about the roles that classical music plays in film music. This course makes the students understand the different characteristics of folk music particularly that of Punjabi folk singing styles which includes Kawishri, Vaar, Tappe which will help them to remain in touch with the folk culture.

CO3 (B)- Raag And Taal : Their Physics and Aesthetics

In this course they study meaning of the term Raag its concepts and characteristic. They get familiar to use Ten Ashray Raags after doing their analytical study. This course makes them understand the role of Jati system in the evolution of Raag. Classification of Ancient and Medieval systems of Raag like Grama-Raag Classification, Shudha-Chhayalag- Sankiran Raag Classification etc are taught, so the students understand their roles. They also study the concept and various

Elements of Taal (10 Praan) which helps the students learn the time dimension of music, the means by which musical rhythm and form were guided and expressed. This course enables the students to examine the selected Raags like Poorvi, Jaunpuri, Nat Bhairav etc. with critical approach. It helps in the development of their critical thinking.

CO3 (C)- Stage Performance

This course plays an important role in the personality development of students because it gives the students opportunity to increase the level of their confidence and overcome stage fear. They learn to perform Raags on stage with all its technicalities. They make use of an instrument like harmonium while performing Sufiana Qalam/Ghazal which helps them to learn more of the use of instruments while singing. They use Tabla and hands to demonstrate different types of Taal. In this way stage performance helps the students to demonstrate proper vocal technicalities.

CO3 (D)- Viva- Voce

In Viva Voce course paper knowledge achieved by the students from the above given courses is to be examined by the subject experts. Marks are awarded according to their performance and students also get to know about the level of knowledge.

CO3 (E) I- Contribution of Music Epic Treatise to Indian Classical Music: On the completion of the course the students will be able to analyze the Importance of Granth related to Indian Music in the growth of classical music.

CO3 (E) II- Music and Research: Basic Techniques: On the completion of the course the students will be able to;

-) Explain the meaning, nature and types of research and scientific method.
-) Develop skills in developing research proposal, review of related literature and hypotheses.
-) Critically examine the process of selecting sample and preparation of quantitative and qualitative tools for research.
-) Compare between different quantitative and qualitative research paradigms
-) Practice the ethics of research.

Course Outcomes CO4 (A)- Aesthetical study of Hindustani Music

(Music Vocal)

In this course students learn about the Origin & development of Rasa Sidhant and Comparative study of Rasa Sidhant & Aesthetics, Principle and Importance of Accompaniment in Classical Vocal Music. They come to know about the relationship of Music and Religion. The influence that music has throughout the world is immeasurable. With the ability to help in identifying the culture, as well as educate countries about other cultures, music also provides sense of knowledge. It can be a tool for many things like relaxation, stimulation and communication so students also get to know about the Modern Trends in Classical Music and Relationship of Folk Music and Classical Music.

They study the full details of different folk forms of Sri Guru Granth Sahib. This course make students understand the various characteristics of folk music particularly that of Punjabi folk singing styles which includes Kawishri, Vaar, Tappe which helps them to remain in touch with the folk culture.

CO4 (B)- Raag And Taal : Their Physics and Aesthetics

In these course students learns about the various elements of Raag-Vistaar. They learn about the Concept of Raag-Dhyan. Students get aware of the analytical study of the Raag Classifications. It helps the students to understand the comparison between traditional and contemporary system of Raag Classifications. They study about the Contribution of Punjab to Raags of Hindustani Music with special reference to Gurmat Sangeet and Punjabi Folk Music. This course makes the students understand the Concept and Distinction of Samprakirtik Raags, Principles of Combination of Raags, the Evolution and Development of Percussion Instruments and their importance in Indian classical music with special reference to Tabla.

CO4 (C)- Stage Performance

This course improves more of their confidence and makes them more competent to be a quality performer on stage. In this they learn to perform on stage on the prescribed Raags with all its technicalities. They make use of the instruments like harmonium while performing Thumri or Dadra which will train them to make use of instruments while performance. They use Tabla and hands to demonstrate different types of Taal. Stage performance helps the students to demonstrate proper vocal technicalities.

CO4 (D)- Viva- Voce

In Viva Voce course paper knowledge achieved by the students from the above given courses is to be examined by the subject experts. Marks are awarded according to their performance and students also get to know about the level of knowledge.

CO4 (E) I- Dissertation:

On the completion of the course the students will be able to;

1. Explain and elaborate on any selected topic in detailed manner.
2. Acquire the knowledge and experience through the project work which will be useful to do research in music.

CO4 (E) I- Practical Project & Report Writing:

On the completion of the course the students will be able to;

1. Understand the basic fundamentals of the technology associated with the audio recording to be done in Music Studio.
2. To acquire the knowledge and experience through the project work which will help to get introduced professionally in the Audio Recording Industry which is growing at the rate of 400 percent per year.

P.G. Department Of Music Vocal
B.A Music Vocal

Programme Outcome-

Music Vocal is considered as evergreen subject due to its high utility and huge demand in the job area and as well as in attaining the popularity and fame. Graduation in Music Vocal paves way to develop critical enquiry into the value and potential and to prepare students for entry into work of Personality Development, Social Music Therapies, Cultural Policy, Sound Archives, Sound Recorder, Music Arranger, Stage Performer etc.

Course Outcomes CO1 (A)- BASICS OF INDIAN MUSIC

In this course the students who opt music vocal as an optional subject are taught the basics of Indian music. In the Indian music where the students are taught the origin and development of Music in the ancient period, explanation of various musical terms, role of music in human life, knowledge of the instruments like tabla and harmonium and brief introduction of Shri Guru Granth Sahib in the context of Music.

CO1 (B)-STAGE PERFORMANCE

The students will develop the moral values while performing, listening music to culcate their regards and love to music which is very vast. They also develop the ability to sing alankars in the Raags with harmonium, ability to sing drut khayal, geet and lok geet, ability to demonstrate taals on hand with layakarries through which these causes to perform well.

CO2 (A)- BASICS OF INDIAN MUSIC

In this course the students are taught again the basics of Indian music. In the Indian music where the students are taught the historical development of Music in the Hindu period, they are also taught classification of Indian Musical Instruments, description of various elements like Laya,

Thaat, Raag, Alaap, Taan, Jatti, Gamak and they also understand the contribution of Rababi and Kirtaniye to Gurmat Sangeet. Students will be able to cultivate their voice quality in a right manner with the knowledge of voice culture.

CO2 (B)-STAGE PERFORMANCE

The students will develop the ability to sing alankars in the prescribed Raags with harmonium, ability to sing shabad or bhajan or ghazal, ability to demonstrate the Taals on hand with layakaries through which these causes to Perform well. CO3 (A)- MUSIC VOCAL (THEORY)

The students will be able to understand the historical development of Indian Music upto 12th century, origin and development of the khyal gayan shailee, the concept & importance of alap and taan, biographical sketches and contribution of great maestros. They will be able to understand the stupendous folk music of Punjab and the contribution of Sri Guru Arjan Dev ji to Gurmat Sangeet.

CO3 (B)- MUSIC VOCAL (PRACTICAL)

The students will develop the ability to sing one vilambit khayal with alaps and tans, ability to sing shabad or bhajan with harmonium, ability to recite the Taals. They will also learn to sing saraswati vandana.

CO4 (A)- MUSIC VOCAL (THEORY)

The students will be able to understand the origin and development of various gayan shaillies like Dhrupad and Dhamar, role of computer & internet in music, biographical sketches and contribution of great maestros. They will be able to understand the importance of Music in Sri Guru Granth Sahib and the instrument knowledge of Tanpura and Sahayak Nad.

CO4 (B)- MUSIC VOCAL (PRACTICAL)

The students will develop the ability to sing one vilambit khayal with alaps and tans, ability to sing Dhrupad with dugun Layakari and to sing folk song with harmonium. They will also learn to recite the Taals.

CO5 (A)- HISTORICAL AND THEORATICAL STUDY OF INDIAN MUSIC

The students will be able to understand the historical development of Indian Music from 18th Century to 1947, development of Indian Notation System. The students will be able to identify the difference between Classical Music and Folk Music.

CO5(B)-STAGE CUM VIVA

The students will develop the ability to sing One Vilambit Khayal with alaps and tans, ability to sing tarana with proper style and tuning of tanpura.

CO6 (A)- HISTORICAL AND THEORATICAL STUDY OF INDIAN MUSIC

The students will be familiar with the knowledge of evolution and development of Indian Musical Scale, Sufi Music of Punjab, different gayan shaillies of Gurmat Sangeet, description and notation of Raags and Taals. The students will be able to identify the global perspective of Indian Music.

CO6(B)- STAGE CUM VIVA

The students will develop the ability to sing one vilambit khayal with alaps and tans, ability to sing ghazal or sufiana kalam with proper gayaki. The students will develop the ability of tuning the tanpura and to play harmonium.

P.G. Department Of Music Vocal

B.A Music (Tabla)

Programme Outcome-

Tabla is a widely popular and versatile percussion instrument used in the Classical, Popular and Religious Music of the Northern Indian Subcontinent. Tabla is used in to maintain metric cycles of set compositions. Tabla is considered as evergreen subject due to its high utility and huge demand in the job area and as well as in attaining the popularity and fame. Playing *Tabla* can help students grow academically. It increases body awareness & kinesthetic development; it helps students to develop graceful coordination and self-control. Playing rhythms improves listening skills and increases teens' ability to focus for extended periods of time.

Course Outcomes CO1 (A)- BASICS OF TABLA

In this course, the students are taught about the basics of Taal. Students are taught the origin and development of music in the ancient period. They are taught various musical terms and are given knowledge of Layakries like Dugun, Chaugun, dholak and Harmonium.

CO1 (B)-STAGE PERFORMANCE

The students will develop the moral values while performing and listening music. They also develop the ability to play; Tabla with Kayda, Paltas and Verns, Nagma with harmonium, Dholak, ability to

demonstrate taals on hand with layakaries.

CO2 (A)- BASICS OF TABLA

The students will be able to understand the basics of Tabla. Students are taught various Jaties of Taal, instruments like Pakhawaj etc., description of various elements like Tihai, Mukhra, Kayda, Palta, Rela, Paran and they also understand to compose small Tehaies of Taals.

CO2 (B)- STAGE PERFORMANCE

The students will develop the ability to play Tabla with Kayda, Paltas, Tihai and tukras, to play Nagma with harmonium, ability to play Laggis in selective Taals, ability to demonstrate taals on hand with layakaries through which these causes to perform well.

PSO2- Students will be able to demonstrate broad knowledge of tabla with its ornaments. Students will be able to understand the role of Laggies which is used in Vocal Music. Students will have the ability to learn difficult taals with layakari, variations of Swars and tune the Tabla .

CO3 (A)- HISTORICAL AND THEORITICAL STUDY OF TABLA

In this course the students are taught theoritical aspects of Tabla in which they are learn about the ancient Tala system with the help of various texts, Students get knowledge of the Taal ke Dasa Pranas, they also are taught the knoweledge of Uthaan, Dupalli, Tripalli etc., description of various elements like Tukras, Kayda, Palta, Rela, Paran and they also understand to compose small Tehaies of Taals. Students learn to write the various practical compositions according to the notation system.

CO3 (B)- STAGE PERFORMANCE

The students will develop the ability to play Tabla with Kayda, Paltas, Tihai and tukras in difficult Taals, to play Nagma with harmonium, ability to play Laggis in selective Taals, ability to demonstrate taals on hand with

layakaries through which these causes to perform well. Students can gain knowledge through class demonstrations about the “Padhant” while doing the solo recital.

CO4 (A)- HISTORICAL AND THEORITICAL STUDY OF TABLA

In this course the students are taught theoritical aspects of Tabla in which they are learn about the Punjab and Banaras Gharana, they also are taught the knowledge of Uttari-Dakshini Taal system, description of various elements like Gat, Nagma, Peshkar and they also understand the accompaniment knowledge of Tabla through which these causes to perform well.

CO4 (B)- STAGE PERFORMANCE

The students will develop the ability to play Tabla with Kayda, Paltas, Tihai and tukras in difficult Taals, to play Nagma with harmonium, ability to play Laggis in selective Taals, ability to demonstrate taals on hand with layakaries through which these causes to perform well. Students can gain knowledge through class demonstrations about the “Padhant” while doing the solo recital.

CO5 (A)- HISTORICAL AND THEORITICAL STUDY OF TABLA : In this course the students are taught theoritical aspects of Tabla in which they are learn about the ancient Tala system with the help of various texts, Students get knowledge of the Taal ke Dasa Pranas, they also are taught the knoweledge of Uthaan, Dupalli, Tripalli etc., description of various elements like Tukras, Kayda, Palta, Rela, Paran and they also understand to compose small Tehaies of Taals. Students learn to write the various practical compositions according to the notation system.

CO5 (B)- STAGE PERFORMANCE

The students will develop the ability to play Tabla with Kayda, Paltas, Tihai and tukras in difficult Taals, to play Nagma with harmonium, ability to play Laggis in selective Taals, ability to demonstrate taals on hand with layakaries through which these causes to perform well. Students can gain knowledge through class demonstrations about the “Padhant” while doing the solo recital.

CO6 (A)- HISTORICAL AND THEORITICAL STUDY OF TABLA : In this course the students are taught theoritical aspects of Tabla in which they are learn about the Punjab and Banaras Gharana, they also are taught the knowledge of Uttari-Dakshini Taal system, description of various elements like Gat, Nagma, Peshkar and they also understand the accompaniment knowledge of Tabla through which these causes to perform well.

CO6 (B)- STAGE PERFORMANCE

The students will develop the ability to play Tabla with Kayda, Paltas, Tihai and tukras in difficult Taals, to play Nagma with harmonium, ability to play Laggis in selective Taals, ability to demonstrate taals on hand with layakaries through which these causes to perform well. Students can gain knowledge through class demonstrations about the “Padhant” while doing the solo recital.

Programme Outcome

The Gurmat Sangeet's aim is to spark interest in young Sikhs and to boost their knowledge of Sikh heritage and history. One of the important subjects of Gurmat Studies is Gurmat Sangeet which basically directs an individual to sing the Gurbani in the ragas mentioned in Shri Guru Granth Sahib Ji. The programme provides knowledge about the Raags and Upragas present in Shri Guru Granth Sahib Ji. Students are provided with the knowledge of Sikh music and also the technical terms used in the holy granth. Students learn about the Sikh instruments especially Tanti Saaz (String Instruments) mentioned by Gurus. It also helps students to understand the rich Kirtan traditions of Sikhism.

Outcome

After doing Graduation degree of Gurmat Sangeet students can make their future in various fields. They can be appointed as teachers or preachers. They can establish their own Kirtan group known as Kirtan Jathas. With the help of Instrumental (tanti saaz) knowledge they can also be solo performer and/or can play a role in studio recordings. In addition to this if a student wants to go for further studies like Masters and doctorate, he or she can pursue his/her further studies in Gurmat Studies from the Department of Gurmat Studies, Punjabi University, Patiala.

Department of Physical Education

PO: To perceive the concept of physical education and sports. To understand the need of physical education and sports in modern era. To impart knowledge about different body systems, yoga and some psychological aspect. To gain scientific knowledge about how the body responds to different types of exercise. Improve scientific understanding of numerous sports and game regulations.

CO1 -PHYSICAL EDUCATION

Student will be able to:

-) Learn about Objectives, Scope and importance of Physical Education
-) Learn about principles and importance of health education, personal hygiene and forming healthy habits
-) Learn about organization, administration of ancient and modern Olympic Games
-) Learn about the developmental characteristics at different stages of development and factor affecting growth and development
-) Learn about structure, parts and functions of the cell
-) Learn about structure, organs and function of digestive system

CO2 -PHYSICAL EDUCATION

Student will be able to:

-) Learn about importance of Play, Yoga and Asana in modern society
-) Learn about growth and development
-) Learn about yoga aim, types and importance
-) Learn about shudhi kriyas types, objective and its effects
-) Learn about sports psychology introduction and importance
-) Learn about motivation types, methods and importance in physical education and sports.
-) Learn about personality introduction, types and characteristics

CO3 -PHYSICAL EDUCATION

Student will be able to:

-) Learn about Recreation and its different types and principles
-) Learn about Leadership; importance, qualities and responsibilities of a leader
-) Learn about Postural deformities and consequent disabling complications
-) Learn about deformities like kyphosis, lordosis and scoliosis and their causes and corrective measures.
-) Learn about physical education as profession: career opportunities in physical education profession, course offered and institution available in India.

Department of Political Science

Programme Outcome (PO) 1 - M.A. POLITICAL SCIENCE

After doing Post Graduation in Political science, students will demonstrate substantive knowledge of institutions, processes and values that shape politics within states and the major theories, concepts and foundations help them to understand the complications of political systems. Post Graduation in political science paves way to higher studies, research and jobs in teaching. This subject deals with the system of governance and analysis of political activities, political thought and political behavior. This program covers

the major fields of Political Science and offers a rich set of specialization possibilities.

Programme Specific Outcome

(PSO) 1: M.A. POLITICAL SCIENCE-I

-) Political Science gives students a meaningful and rational understanding regarding the working of politics.
-) Political theories are very helpful to understand the deeper and essential relationships between development and events.
-) The students will learn to work responsibly and creatively as an individual or as a member or leader of a team and in multidisciplinary environments.

SEMESTER-I

Course Outcome (CO) 1 - MPOL-101- INDIAN POLITICAL THOUGHT –I

-) The students will be able to demonstrate key Indian thinkers from ancient to contemporary period.
-) Students understand the various political thinkers in different historical backdrop.
-) They also understand the nature and value of normative thinking.

Course Outcome (CO) 2- MPOL-102 -WESTERN POLITICAL THOUGHT-I

-) The students will understand the ways in which western political thinkers responded to the political problems of their times.
-) They understand the broader view about human goals and needs, justice, democracy and the ever changing relationship between the citizen and the state.
-) Students will find out that how various political philosophies shaped the various forms of government from tyranny to republican democracy.

Course Outcome (CO) 3-MPOL-103 - INDIAN GOVERNMENT AND POLITICS

-) Students will gain knowledge about institutional and political dynamics.
-) It presents a systematic analysis of all the major dimensions of Indian Political System. The study of the Indian political system is a window to understand politics.
-) Students will be aware about the working of Indian political system. They will be able to evaluate the basic strengths and weaknesses of the Indian political system through the application of political concepts and ideas.

Course Outcome (CO) 4 - ELECTIVE COURSE: ANY ONE OF THE FOLLOWING PAPERS:

(OPTION 1): MPOL-104 INTERNAIONAL POLITICS

-) Students will be able to understand the basic facts about the world politics.
-) It deals with the current political debates. It develops the thinking of students about political systems.
-) Students will be able to apply theories and concepts in new situations.

OPTION II – MPOL-104 South Asian Political Systems (Pakistan, Sri Lanka, Nepal and Bangladesh)

-) The course also seeks to impart an understanding to the students of the political regime types in a comparative framework.
-) Students will earn knowledge about the constitution, state structures, institutions, party structures and their actual working overtime.

OPTION III- MPOL-104 WOMEN AND POLITICAL THEORY

-) Students gain the knowledge about status of women in context of political theory.
-) It will explore the intersections of feminism, politics and philosophy.

OPTION IV- MPOL-104 THEORY AND PRACTICE OF DIPLOMACY

-) The students will gain knowledge about diplomacy.
-) The students will be aware about relations of different countries.

SEMESTER-II

Course Outcome (CO) 5 MPOL-201 INDIAN POLITICAL THOUGHT- II

-) The students will acquainted different perspectives of political science from the point of view of different thinkers.
-) It addresses the questions related to polity, statecraft, justice and legitimacy of forms of government.
-) It also deals with the scope of religion in state organization and addresses the legitimacy of sociopolitical institutions in a polity.

Course Outcome (CO) 6- MPOL-202 CONTEMPORARY ISSUES IN GLOBAL POLITICS

-) The students gain knowledge about different issues and perspectives of global politics.
-) It critically reflect some most topical issues that currently confront international relations.
-) It encourages the students to engage in debating the nature of contemporary challenges.

Course Outcome (CO) 7-MPOL-203 WESTERN POLITICAL THOUGHT- II

-) The students will be in a position to understand about the ways in which western political thinkers responded to the political problems of their times.
-) The students will know broader view about human goals and needs, justice, democracy.
-) The students know the changing relationship between the citizen and the state.

Course Outcome (CO) 8 MPOL-204 ELECTIVE COURSE: ANY ONE OF THE FOLLOWING PAPERS:

OPTION I- MPOL- 204 POLITICAL IDEOLOGIES

-) This course inculcates the knowledge about ideologies which will help the students to understand the various political systems.
-) Students will be able to comprehend the cause-effect relationship in political scenario.
-) Students will be able to differentiate the various ideas.

OPTION II- MPOL-204 FOREIGN POLICY OF US, RUSSIA, CHINA AND JAPAN

-) This course will provide the knowledge about foreign policy of USA, Russia, China and Japan.
-) It will be supportive to understand the objectives and determinants of foreign policy of these countries.

OPTION III MPOL-204 DEMOCRACY IN INDIA

-) Student gain the knowledge about Indian democracy which will help them to understand the Indian political system.

OPTION IV MPOL-204 HUMAN RIGHTS IN INTERNATIONAL RELATIONS

-) The students will be able to understand the concepts, nature and evolution of human rights.
-) Students will be aware about the domestic and international, legal and institutional framework for the protection and promotion of human Rights.

Programme Specific Outcome (PSO) 2: M A POLITICAL SCIENCE -II

-) Political science gives a meaningful and rational basement to understand the working of political systems. Using some political theories it is possible to understand the essential relationships between development and events.
-) Students will be able to demonstrate broad knowledge of political ideas, ideologies, political events, status of human rights and their significance.
-) Students will be able to access written and visual, primary and secondary source of information and interpret concepts and data from a variety of sources in developing disciplinary and inter-disciplinary analyses.

SEMESTER-III

Course Outcome (CO) 9- MPOL-301 CONTEMPORARY POLITICAL THOUGHT

-) Students will be able to understand the political thought of contemporary times.
-) Students will learn the intelligence or reason of political philosophers to arrive at ideas which provide best solutions for the common welfare.
-) Students will learn the major debates in Marxism.

Course Outcome (CO) 10-MPOL-302 MODERN POLITICAL ANALYSIS

-) This course investigates the ideologies, power and politics in socio-economic context.
-) It examines the role of ideas and interests in these arenas and helping students to understand the strategic creativity of political actors.
-) It gains knowledge about scientific tradition in Political Science.

Course Outcome (CO) 11 MPOL-303 RESEARCH METHODOLOGY

-) This course improves the knowledge about the philosophy of social science and research methods.
-) Students will be able to learn the statistical competence and field work.
-) Students will be able to interpret the events and data of political world and understand the variety of empirical methods and statistical techniques.

Course Outcome (CO) 12 MPOL-304 ELECTIVE COURSE: ANY ONE OF THE FOLLOWING PAPERS:

OPTION-I- MPOL-304 POLITICAL THEORY

-) Students will be able to understand the crux of basic concepts such as liberty, equality and justice etc.
-) They will be able to learn the interconnection of these concepts with other social sciences.
-) They will learn to apply the abstract theoretical arguments to practical situations.

OPTION-I MPOL-304 STATE POLITICS IN INDIA

-) This course will increase the knowledge of students about state politics in India.

-) Familiarity of state politics is necessary to understand the Indian political system because state politics shapes the national politics.

OPTION-II MPOL-304 POLITICAL SOCIOLOGY

-) In this course students will be able to acquire a familiarity with contemporary societies and their relevance with politics, especially with developed democracies.
-) It improves the knowledge of basic definitions of concepts such as politics, power, governance, democracy etc.

OPTION-IV MPOL-304 POLITICS OF DEVELOPING COUNTRIES

-) Developing countries play a significant role in the international politics. This course inculcates the knowledge about the role of developing countries in international politics.

SEMESTER-IV

Course Outcome (CO) 13 MPOL-401 THEORY AND PRACTICE OF PUBLIC ADMINISTRATION

-) Students will be able to demonstrate the significance and relevance of certain theories and concepts of public administration in the functioning of government.
-) Students will be able to examine the administration critically through concepts and theories of public administration to understand the core issues in Indian Administration.
-) Students will be able to assess the relationship between Citizen and Administration.

Course Outcome (CO) 14 MPOL-402 CONTEMPORARY DEBATES IN POLITICAL THEORY

-) Students will be able to formulate and construct logical arguments about political phenomena.
-) It develops an ability to evaluate these approaches to the study of politics.
-) It develops the basic understanding of present political phenomena.

Course Outcome (CO) 15 MPOL-403 FOREIGN POLICY OF INDIA

-) Students will learn the structure of foreign-policy making in India including the nature and direction of India's foreign policy concerns.
-) It develops an ability to understand the objectives, goals and foreign policy trends.
-) It develops the competency to predict the outcomes of foreign policy decisions.

Course Outcome (CO) 16 MPOL-404 ELECTIVE COURSE: ANY ONE OF THE FOLLOWING PAPERS:

OPTION-I MPOL-404 PUNJAB POLITICS

-) This course imparts the knowledge to students about the role of regional politics in India.
-) Study of Punjab politics is requisite to understand the regional politics and Punjab is an important state of India which plays a vital role in Indian politics.
-) It develops the knowledge of various policies of different political parties in Punjab.

OPTION-II MPOL-404 INTERNATIONAL LAW

-) Students will be able to demonstrate broad knowledge of international law and its role and significance in international politics and relations.

OPTION –III MPOL-404 SIKH POLITICAL THOUGHT (1469 AD TO 1708 AD)

-) Students will gain the knowledge about the thought of Sikh Gurus and they will be able to analyze the ideas of Sikh Gurus in the context of political science.

OPTION-IV MPOL-404 GLOBALISATION AND ITS IMPACT ON POLITICAL SYSTEM

-) This course provides a great sagacity to students to understand the effects of globalization on political systems. All the countries face many challenges in economic, social, political spheres due to globalization.
-) Students will be able to understand the international politics in the context of globalization.

B.A. POLITICAL SCIENCE

Programme Outcome-

This course is to equip the students of various disciplines with a basic understanding of the political system in India through the study of Constitution and government at different levels. Students will develop an understanding of Constitution of India and the political system that exists in India. Further the student will have a general understanding about the relation of Constitution as a guiding document with the functioning of various governance institutions at central, state and local level.

Programme Specific Outcome (PSO)-I

-) Political science gives the students a meaningful and rational basement to understand the working of political systems.
-) Students learn political theories which are very helpful to understand the deeper and essential relationships between things, development and events.
-) Students will be able to analyze and explain the approaches and concepts of political science

Course Outcome (CO)-1- FUNDAMENTALS OF POLITICAL SCIENCE- I

The students will be able to-

-) To develop the capability of students to formulate and construct logical arguments about political phenomena. It provides the scientific study of politics
-) To understand the fundamental concepts of political science. It explains the concept of constitutionalism.
-) To develop comprehensive and interdisciplinary knowledge by emphasizing inter-linkages between various subjects.

Course Outcome (CO)-2- FUNDAMENTALS OF POLITICAL SCIENCE- II

The students will able-

-) To develops a better understanding of questions concerning power, justice, rights, and laws and other issues pertaining to governance.
-) To examines the role of political system and helping students to understand the strategic creativity of political actors.
-) To comprehend political concepts such as political culture, political socialization, liberty, equality and theories of democracy.

PROGRAMME SPECIFIC OUTCOME (PSO) 2

-) Students will be able to demonstrate broad knowledge of historical and contemporary events of politics.
-) Students can understand the emergence and interaction of political institutions.
-) Students occupy the basic factual knowledge for the preparation of Civil Services examination.

CO3- INDIAN POLITICAL SYSTEM I

The students will able-

-) To learn the British governments' Acts which influenced the Indian constitution.
-) To aware about the Fundamental rights, duties and Directive principles of state policy.
-) Discuss the powers and position of president, State Legislature, Executive etc. It presents a systematic analysis of all the major dimensions of Indian Political System.

CO4- INDIAN POLITICAL SYSTEM II

The students will able-

-) To gain knowledge about Institutional and Political Dynamics.
-) To study the Indian political system. They will aware about the way, how Indian political system has been working and the way it shapes institutions in India.
-) To evaluate the basic strengths and weaknesses of the Indian political system through the application of political concepts and ideas.

Programme Specific Outcome (PSO)-3-

-) Students will be able to recognize the working and pattern of different political systems, organizations, societies, cultures.
-) This course introduces the fairly comprehensive overview of Major political system of UK, USA.
-) Students will have develop theoretical insights on international relations and global politics.

Course Outcome (CO)-5- COMPARATIVE POLITICAL SYSTEM (UK AND USA)

The students will be able-

-) To understand about political regime types in a comparative framework.
-) To earn knowledge about the constitutional structure and design of state structures and institutions, party structures and their actual working overtime.
-) To develop a detailed understanding of theory and methods of comparative politics.

Course Outcome (CO) 6- INTERNATIONAL POLITICS: THEORY AND PRACTICE

The students will able-

-) To understand the basic facts about the world politics, power and struggles.
-) To analyze the current political debates. It develops critical thinking of students.
-) To understand the scope and subject matter of International Relations with focus on various International Organizations.

P.G Department of Psychology

Programme Outcome (P.O):

M.A (Psychology): This course empowering students to achieve academic excellence and a fully functioning human life. Trained students in psychology testing and explain its results in a comprehensive way. Involve students in community-based extension activities. To sharpen students' focus in relevant research activities. Empower students in the use of theory, assessment and psychology in a variety of sectors,

including counselors, clinical, sports, crime, organizational assessment. Trained students provided counseling services in the area of internal concerns. Make the students comprehensive in implementing basic and applied research. Students will prepare with different perspectives for more job opportunities and higher education.

Programme Specific Outcome (PSO I) :

CO 1 Systems and Theories of Psychology – It focus on when and how psychology became a science. Students can learn to compare and contrast the major schools of thought and discuss key historical and social events that shaped the field. Students should be able to demonstrate and understanding of the ways in which psychological knowledge, skills, and values can be applied in a variety of settings.

CO 2 Experimental psychology: To examine relationship between behavior (Cognitive, Affective, Connative) and mind with the help of manipulate research variables in order to discover different specialized social, clinical, cognitive, neuroscience and developmental issues. It included psychometrics, behavior modification, experiment measurements such as perception and sensation etc.

CO 3 Physiological psychology: To understand the basics of physiological basis of behavior, how biochemistry of the brain affects the brain. Learn the effect of behavior on the physiological systems.

CO 4 Statistics in psychology: Statistics allow individuals to organize data, describe data, make inferences and do analysis with different statistical methods in order to examine different variables with different outcomes with specific conclusions.

CO 5 Cognitive Processes - To help students in understanding mental processes, working of mind. Help in understanding how we acquire, store, transform, use and communicate information. Provide knowledge of the fundamental issues in contemporary cognitive psychology and understand the methods used to study cognitive processes.

CO 6 Social Psychology: Familiarizing with basic social psychological concepts and relevant methods. It focuses on developing an understanding of the individual in relation to the social world, understanding aggression, its prevention and control. Understanding how prejudice is formed and how to reduce it.

CO 7 Environmental Psychology: Focuses on the interplay between individuals and their surroundings and students will able to understand the term **environment** broadly, encompassing natural environments, social settings, built environments, learning environments, and informational environments.

CO 8 Experimental Designs in Psychology: To understand depth knowledge about quantitative and qualitative designs with respect to their applicability in behavior relation to different processes. It focuses on sampling and research designs to ensure their understanding in research methodology.

Programme Specific Outcome (PSO II) :

CO 9 Personality Theories: It will understand the concept and origin of Personality and the dynamics of personality with the help different personality theories. It will enable students to understand the assessment of personality types and compare and contrast different personality perspectives

CO 10 Psychometrics: To understand the theory and technique of psychological measurement which includes the quantification of mental attributes, behavior with the design, analysis and improvement of the tests and questionnaires and measurement of knowledge, abilities, attitudes and personality traits.

CO 11 Intelligence and creativity: To understand the concept of intelligence and creativity, its applicability with respect to different theories. It will facilitate students with different perspectives of different theorists on cognitive and developmental approaches.

CO12 Psychopathology: To provide an in depth review of a broad spectrum of psychopathological conditions as defined in the DSM. This course wills able students to discuss several different theoretical perspectives in the general psychopathology and have a substantial foundation of knowledge about psychopathology to apply in formulating effective intervention strategies.

CO 13 Personality Assessment- Students will able to administration, scoring, and interpretation of imperially supported measures of personality traits and styles in order to refine clinical diagnosis, structure and inform psychological interventions and increase the accuracy of behavior prediction in a variety of context and settings.

CO 14 Research Methodology The objective of the course is to equip with advanced training in research methods and professional skills. Students can apply theoretical knowledge to analyze practical problems and developing hypotheses, understanding dynamics of sampling and data analyses for conducting Research and writing the report.

CO 15 Counselling Psychology- Upon successful completion of the course, the students should be able to understand the basics of Guidance and Counseling. Different kinds of counseling techniques develop basic Counseling skills. Counseling processes helps students to make effective relationship and Counselling applications in different fields sustain their applicability.

CO 16 Clinical Psychology: It provides clinical knowledge for the purpose of understanding, preventing and relieving psychologically based distress and to promote subjective wellbeing and personal development. It also develops focus on symptomology and their applicability in terms of therapies to retain their level in

normality.

Course Outcome (C.O) For Undergraduate classes (Psychology)

CO 1 General Psychology: To introduce students to the basic concepts of the field of psychology with an emphasis on applications of psychology in everyday life. Appreciation of the scope and the field of psychology. Developing familiarity with basic concepts related to some foundational themes of study in psychology such as learning, memory, perception, and thinking.

CO 2 Experimental Psychology: To examine relationship between behavior (Cognitive, Affective, Conative) and mind with the help of manipulate research variables in order to discover different specialized social, clinical, cognitive, neuroscience and developmental issues with respect to sensation, perception, attention, learning, memory and motivation experiments.

CO 3 Abnormal Psychology: To examine unusual patterns of human behavior, emotions and thoughts understood from the clinical context. It identifies multiple causes for different conditions, employing diverse theories from general psychology. Its includes adaptive and maladaptive causes with different biopsychosocial perspectives in relation to different therapies on basis of different disorders.

DEPARTMENT OF PUBLIC ADMINISTRATION

B.A. PUBLIC ADMINISTRATION (ELECTIVE)

PROGRAMME OUTCOMES

PO1: To promote commitment to the improvement of government and social institutions.

PO2: Educate students about generalist public management knowledge and skills.

PO3: Prepare students to initiate and facilitate interaction between government, for-profit, and non-profit sectors to provide ethical and practical solutions to societal needs.

PO4: Educate students to be empathetic and effective leaders who manage public institutions humanely.

PO5: Translate research into effective practices and achievable, human policies.

PO6: Impart students with critical skills such as conceptual, entrepreneurial, and analytical skill for acquiring academic theory and skills for acquiring academic theory and skill to promote public service values and ethical commitment to serve the public interest with accountability and transparency.

PO7: To encourage students to acquire the knowledge, skills and abilities born out of the need for more efficient and effective public administration.

ਐਮ.ਏ. ਪੰਜਾਬੀ (M.A. Punjabi) -I, II

ਪ੍ਰੋਗਰਾਮ ਦਾ ਨਤੀਜਾ (Programme Outcome) PO

ਪੰਜਾਬੀ ਵਿੱਚ ਮਾਸਟਰ ਡਿਗਰੀ ਵਿਸ਼ਲੇਸ਼ਕੀ ਸੋਚ, ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਅਤੇ ਅੰਤਰ ਸੱਭਿਆਚਾਰ ਵਰਗੇ ਹੁਨਰਾਂ ਨੂੰ ਵਿਕਸਤ ਕਰਦੀ ਹੈ ਜੋ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤਕ ਪਾਠਾਂ ਨਾਲ ਆਲੋਚਨਾਤਮਕ ਤੌਰ 'ਤੇ ਜੁੜਨ ਦੀ ਪ੍ਰੇਰਨਾ ਦਿੰਦੀ ਹੈ। ਇਹ ਇੱਕ ਲੇਖਕ, ਅਨੁਵਾਦਕ, ਸਪੀਕਰ, ਸੰਪਾਦਕ, ਪਰਿਵਾਰ-ਰੀਡਰ, ਕਾਪੀਰਾਈਟਰ ਅਤੇ ਦੁਭਾਸ਼ੀਏ ਬਣਨ ਲਈ ਤਿਆਰ ਕਰਦੀ ਹੈ। ਸਿੱਖਿਆ ਦੇ ਖੇਤਰ, ਵੱਖ-ਵੱਖ ਸਰਕਾਰੀ ਏਜੰਸੀਆਂ, ਪੱਤਰਕਾਰੀ ਆਦਿ ਵਿੱਚ ਨੌਕਰੀਆਂ ਦੇ ਬਹੁਤ ਸਾਰੇ ਮੌਕੇ ਪ੍ਰਾਪਤ ਹੁੰਦੇ ਹਨ। ਵਿਦਿਆਰਥੀ ਔਨਲਾਈਨ ਸਮੱਗਰੀ ਵਿੱਚ ਲੇਖਕ ਤੇ ਤਕਨੀਕੀ ਅਨੁਵਾਦਕ ਵਜੋਂ ਵੀ ਯੋਗਦਾਨ ਪਾ ਸਕਦੇ ਹਨ। ਖੋਜ ਅਤੇ ਉੱਚ ਅਧਿਐਨਾਂ ਲਈ ਭਵਿੱਖ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ ਸਮੇਤ ਐਮ.ਫਿਲ. ਅਤੇ ਪੀ.ਐਚ.ਡੀ. ਦਾ ਵੀ ਲਾਭ ਉਠਾਇਆ ਜਾ ਸਕਦਾ ਹੈ। ਵਿਦਿਆਰਥੀ ਸਮਾਜਿਕ ਮੁੱਦਿਆਂ ਅਤੇ ਕਾਰਨਾਂ ਪ੍ਰਤੀ ਸੰਵੇਦਨਸ਼ੀਲ ਹੋ ਕੇ ਗੁਣਾਤਮਕ ਤੌਰ 'ਤੇ ਲਾਭ ਪ੍ਰਾਪਤ ਕਰਨਗੇ ਜੋ ਮਿਹਨਤੀ, ਈਮਾਨਦਾਰ ਅਤੇ ਜਵਾਬਦੇਹ ਵਿਸ਼ਵ ਪੱਧਰ ਦੇ ਨਾਗਰਿਕ ਬਣਨਗੇ।

Programme Specific Outcome (PSO-I)

ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖਰੀਆਂ-ਵੱਖਰੀਆਂ ਵਿਧਾਵਾਂ ਜਿਵੇਂ ਗਲਪ, ਨਾਟਕ, ਕਵਿਤਾ, ਵਾਰਤਕ, ਸਫ਼ਰਨਾਮਾ, ਜੀਵਨੀ ਆਦਿ ਦੇ ਵਿਧਾਗਤ ਅਤੇ ਰੂਪ ਵਿਧਾਨ ਦੇ ਪੱਖਾਂ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਉਪਰੰਤ ਜ਼ਿੰਦਗੀ ਦੇ ਯਥਾਰਥ ਨੂੰ ਵੱਖ-ਵੱਖ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝ ਸਕਦਾ ਹੈ। ਵਿਦਿਆਰਥੀ ਵਿਸ਼ਵੀਕਰਨ ਦੇ ਦੌਰ ਵਿੱਚ ਪੰਜਾਬ ਦੀਆਂ ਰਾਜਨੀਤਿਕ, ਇਤਿਹਾਸਿਕ, ਧਾਰਮਿਕ, ਸਮਾਜਿਕ ਅਤੇ ਸੱਭਿਆਚਾਰਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝ ਕੇ ਵਰਤਮਾਨ ਸਮੇਂ ਦੀਆਂ ਚੁਣੌਤੀਆਂ ਨਾਲ ਨਜਿੱਠਣ ਦੇ ਸਮਰੱਥ ਹੋ ਸਕਦਾ ਹੈ। ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਭਾਸ਼ਾਵਾਂ ਦੇ ਸਾਹਿਤ ਦੀ ਕਾਲਕ੍ਰਮਿਕ ਤੁਲਨਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ। ਵਿਦਿਆਰਥੀ ਸੰਸਕ੍ਰਿਤ ਦੇ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਵਾਲੇ ਸਿਧਾਂਤਕ ਪਹਿਲੂਆਂ ਤੋਂ ਲੈ ਕੇ ਆਧੁਨਿਕ ਦੌਰ ਦੇ ਪੰਜਾਬੀ, ਹਿੰਦੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ ਸਾਹਿਤ ਦੇ ਸਿਧਾਂਤਕ ਪਹਿਲੂਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰ ਲੈਂਦਾ ਹੈ। ਨਾਟਕ ਦੀ ਵਿਧਾ ਨਾਲ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕੇਵਲ ਨਾਟਕ ਤੇ ਰੰਗਮੰਚ ਦੇ ਰਿਸ਼ਤੇ ਨਾਲ ਹੀ ਬੰਨਣਾ ਨਹੀਂ ਹੁੰਦਾ ਬਲਕਿ ਇਸ ਰਾਹੀਂ ਨਾਟਕ ਦੀ ਵਿਧਾ ਦੀ ਮਹਾਂ ਸਿਰਜਣਾ ਅਤੇ ਇਸ ਵਿਧਾ ਦੀ ਸਮਝ ਲਈ ਬਹੁ-ਪਰਤੀ ਤੇ ਬਹੁ- ਦਿਸ਼ਾਵੀ ਗਿਆਨ ਮਹੱਈਆ ਕਰਨਾ ਹੀ ਸਾਡਾ ਮੁੱਖ ਮੰਤਵ ਹੈ। ਗਲਪ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਇਹ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ ਕਿ ਜ਼ਿੰਦਗੀ ਦਾ ਸੱਚ ਉਹ ਨਹੀਂ ਹੁੰਦਾ ਜੋ ਅਸੀਂ ਸੋਚਦੇ ਜਾਂ ਚਾਹੁੰਦੇ ਹਾਂ ਸਗੋਂ ਉਹ ਹੁੰਦਾ ਹੈ ਜੋ ਸਾਨੂੰ ਪ੍ਰਸਥਿਤੀਆਂ ਦਿੰਦੀਆਂ ਹਨ। ਕਾਵਿ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰਿਗਵੇਦ ਤੋਂ ਲੈ ਕੇ ਆਧੁਨਿਕ ਸਮੇਂ ਤੱਕ ਪੁਰਾਤਨ ਰਵਾਇਤਾਂ ਨਾਲ ਆਪਣਾ ਰਾਬਤਾ ਬਣਾ ਲੈਂਦਾ ਹੈ ਅਤੇ ਆਧੁਨਿਕ ਗਿਆਨ ਦੇ ਪਾਸਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੀ ਸੋਝੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ।

Programme Specific Outcome (PSO-II)

ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਤਕਨਾਲੋਜੀ ਦੇ ਯੁੱਗ ਵਿਚ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਦੇ ਵਿਸ਼ੇ ਰਾਹੀਂ ਅੰਤਰ ਰਾਸ਼ਟਰੀ ਪੱਧਰ 'ਤੇ ਬਹੁ-ਭਾਸ਼ਾਈ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਭਾਸ਼ਾ ਦੀ ਉਤਪਤੀ, ਸੰਚਾਰ, ਵਿਆਕਰਣ ਅਤੇ ਕੰਪਿਊਟਰ ਦੀ ਵਰਤੋਂ ਕਰਨ ਦੇ ਨਾਲ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣ ਜਾਂਦਾ ਹੈ। ਗੁਰਮਤਿ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਿਕ ਜਗਤ ਦੇ ਪਾਸਾਰਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਗੁਰਮਤਿ ਰਹਿਤ ਮਰਿਯਾਦਾ ਅਨੁਸਾਰ ਗੁਰਸਿੱਖੀ ਜੀਵਨ ਜਾਚ ਨੂੰ ਸਿੱਖਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ। ਵਿਦਿਆਰਥੀ ਸਾਹਿਤਕਾਰਾਂ ਦੀਆਂ ਸਵੈ ਜੀਵਨੀਆਂ ਨੂੰ ਪੜ੍ਹ ਕੇ ਉਹਨਾਂ ਦੇ ਅਨੁਭਵਾਂ, ਵਿਚਾਰਾਂ, ਸੰਘਰਸ਼ਮਈ ਜੀਵਨ ਤੋਂ ਸੇਧ ਲੈ ਕੇ ਆਪਣੀ ਜ਼ਿੰਦਗੀ ਨੂੰ ਸਫਲਤਾਪੂਰਵਕ ਜਿਊਣ ਦੇ ਸਮਰੱਥ ਹੁੰਦਾ ਹੈ। ਸੂਫੀ ਕਾਵਿ ਰਾਹੀਂ ਸੂਫੀਮੱਤ ਦੀ ਉਤਪਤੀ ਅਤੇ ਇਸਦੇ ਪੜਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ। ਬੀਰ ਕਾਵਿ ਰਾਹੀਂ ਨੇਕੀ ਅਤੇ ਬਦੀ ਨੂੰ ਸਮਝਦਿਆਂ ਹੋਇਆਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਦੇਸ਼, ਕੌਮ ਅਤੇ ਧਰਮ ਦੀ ਖਾਤਿਰ ਕੁਰਬਾਨੀ ਦੇਣ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਹੁੰਦੀ ਹੈ। ਕਿੱਸਾ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੂਹਾਨੀ ਇਸ਼ਕ ਅਤੇ ਦੁਨਿਆਵੀ ਇਸ਼ਕ ਦੇ ਪੜਾਵਾਂ ਅਤੇ ਸਮਾਜ ਵੱਲੋਂ ਇਸਦੇ ਅਪ੍ਰਵਾਨੇ ਹੋਣ ਕਰਕੇ ਇਸਦੇ ਰਸਤੇ ਵਿਚ ਆਉਣ ਵਾਲੀਆਂ ਮੁਸ਼ਕਿਲਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ। ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰਕ ਅਤੇ ਲੋਕਧਰਾਣੀ ਪਰੰਪਰਾ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਦਾ ਹੋਇਆ, ਆਦਿ ਕਾਲ ਤੋਂ ਲੈ ਕੇ ਵਰਤਮਾਨ ਸਮੇਂ ਤੱਕ ਬਦਲ ਰਹੇ ਸੱਭਿਆਚਾਰਕ ਅਤੇ ਲੋਕਧਰਾਣੀ ਪਰਿਪੇਖਾਂ ਨਾਲ ਤੁਲਨਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-I)

ਪੇਪਰ ਪਹਿਲਾ : ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ

1. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਰੂਪ ਰੇਖਾ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਦਿ ਕਾਲ ਤੋਂ ਲੈ ਕੇ ਸਮਕਾਲ ਤੱਕ ਦੀਆਂ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਤੋਂ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਪੰਜਾਬੀ ਸਮਾਜ ਵਿੱਚ ਆਏ ਬਦਲਾਅ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਿਵਿਲ ਪ੍ਰੀਖਿਆ ਦੀ ਤਿਆਰੀ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
5. ਸਾਹਿਤਕ ਵਿਚਾਰਧਾਰਾਵਾਂ ਦੀ ਤਬਦੀਲੀ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਮਾਜ ਨੂੰ ਹੋਰ ਡੂੰਘਾਈ ਨਾਲ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
6. ਵਿਦਿਆਰਥੀ ਸਮਾਜਿਕ ਤਬਦੀਲੀ ਨੂੰ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਦੇ ਮਾਧਿਅਮ ਦੁਆਰਾ ਵਧੇਰੇ ਤਰਕਸੰਗਤ ਢੰਗ ਨਾਲ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO-II)

ਪੇਪਰ ਦੂਜਾ: ਸਾਹਿਤ ਆਲੋਚਨਾ ਦੇ ਸਿਧਾਂਤ

1. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਨਾਲ ਸੰਬੰਧਿਤ ਸਿਧਾਂਤਕ ਪਹਿਲੂਆਂ ਸੰਬੰਧੀ ਸੋਝੀ ਪ੍ਰਾਪਤ ਕਰ ਲੈਂਦਾ ਹੈ।
2. ਇਸ ਨਾਲ ਵਿਦਿਆਰਥੀ ਉਚੇਰੇ ਖੋਜ ਕਾਰਜ ਕਰਨ ਦੇ ਸਮਰੱਥ ਬਣ ਜਾਂਦਾ ਹੈ।
3. ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਲਈ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਪੈਦਾ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਵੱਖੋ-ਵੱਖਰੀਆਂ ਭਾਸ਼ਾਵਾਂ, ਸਾਹਿਤ ਅਤੇ ਸੱਭਿਆਚਾਰ ਦਾ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ ਉਜਾਗਰ ਹੁੰਦੀਆਂ ਹਨ।
5. ਵਿਦਿਆਰਥੀ ਸੰਸਕ੍ਰਿਤ ਦੇ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਵਾਲੇ ਸਿਧਾਂਤਕ ਪਹਿਲੂਆਂ ਤੋਂ ਲੈ ਕੇ ਮੌਜੂਦਾ ਦੌਰ ਦੇ ਪੰਜਾਬੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ ਸਾਹਿਤ ਵਿਚਲੇ ਸਿਧਾਂਤਕ ਪਹਿਲੂਆਂ ਪ੍ਰਤੀ ਜਾਣਕਾਰੀ ਰੱਖਣ ਲੱਗ ਪੈਂਦਾ ਹੈ।
6. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਅਤੇ ਸਮਾਜਿਕ ਤਬਦੀਲੀਆਂ ਨੂੰ ਵਧੇਰੇ ਤਰਕਪੂਰਨ ਤਰੀਕੇ ਨਾਲ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-III)

ਪੇਪਰ ਤੀਜਾ : ਪੰਜਾਬੀ ਨਾਟਕ

1. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤਕ ਵਿਧਾ ਨਾਟਕ ਦੇ ਸਿਧਾਂਤ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਨਾਟਕ ਦੀ ਉਤਪਤੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਇਕਾਂਗੀ ਤੇ ਨਾਟਕ ਦੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਨਾਟਕਕਾਰਾਂ ਦੁਆਰਾ ਪੇਸ਼ ਕੀਤੇ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਤੇ ਇਤਿਹਾਸਿਕ ਹਾਲਾਤਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਆਪਣੇ ਨਿੱਜੀ, ਸਮਾਜਿਕ ਤੇ ਰਾਜਨੀਤਿਕ ਵਿਚਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਭਾਵਾਂ ਤੇ ਵਿਚਾਰਾਂ ਨੂੰ ਵਾਰਤਾਲਾਪ ਵਿੱਚ ਤਿਆਰ ਕਰਕੇ ਸਟੇਜ ਤੇ ਦਰਸ਼ਕਾਂ ਸਾਹਮਣੇ ਦ੍ਰਿੜ ਇਰਾਦੇ ਨਾਲ ਪੇਸ਼ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
5. ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਤੇ ਰੰਗਮੰਚ ਦੀ ਜਾਣਕਾਰੀ ਨਾਲ ਸੱਭਿਆਚਾਰਕ ਪਰੰਪਰਾਵਾਂ ਅਤੇ ਸਮਾਜਿਕ ਵਿਸ਼ਿਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
6. ਨਾਟਕ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਇਕਾਗਰਤਾ ਵਧਾਉਣ ਵਿੱਚ ਮਦਦਗਰ ਸਾਬਿਤ ਹੁੰਦਾ ਹੈ।
7. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਜਿੱਥੇ ਸਮੂਹਿਕ ਰੂਪ ਵਿੱਚ ਕੰਮ ਕਰਨ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਹੁੰਦੀ ਹੈ ਉੱਥੇ ਉਹ ਸੁਤੰਤਰਤਾ ਨਾਲ ਆਪਣੇ ਵਿਚਾਰ ਪ੍ਰਗਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
8. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀ ਪੈਦਾ ਹੁੰਦੀ ਹੈ।

ਪੇਪਰ ਤੀਜਾ : ਪੰਜਾਬੀ ਨਾਟਕਕਾਰ ਬਲਵੰਤ ਗਾਰਗੀ : ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-2)

1. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਨਾਟਕਕਾਰਾਂ ਦੁਆਰਾ ਪੇਸ਼ ਕੀਤੇ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਤੇ ਇਤਿਹਾਸਿਕ ਹਾਲਾਤਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਆਪਣੇ ਨਿੱਜੀ, ਸਮਾਜਿਕ ਤੇ ਰਾਜਨੀਤਿਕ ਵਿਚਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਭਾਵਾਂ ਤੇ ਵਿਚਾਰਾਂ ਨੂੰ ਵਾਰਤਾਲਾਪ ਵਿੱਚ ਤਿਆਰ ਕਰਕੇ ਸਟੇਜ ਤੇ ਦਰਸ਼ਕਾਂ ਸਾਹਮਣੇ ਦ੍ਰਿੜ ਇਰਾਦੇ ਨਾਲ ਪੇਸ਼ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਤੇ ਰੰਗਮੰਚ ਦੀ ਜਾਣਕਾਰੀ ਨਾਲ ਸਭਿਆਚਾਰਕ ਪਰੰਪਰਾਵਾਂ ਅਤੇ ਸਮਾਜਿਕ ਵਿਸ਼ਿਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਨਾਟਕ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਇਕਾਗਰਤਾ ਵਧਾਉਣ ਵਿੱਚ ਮਦਦਗਰ ਸਾਬਿਤ ਹੁੰਦਾ ਹੈ।
5. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਜਿੱਥੇ ਸਮੂਹਿਕ ਰੂਪ ਵਿੱਚ ਕੰਮ ਕਰਨ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਹੁੰਦੀ ਹੈ ਉੱਥੇ ਉਹ ਸੁਤੰਤਰਤਾ ਨਾਲ ਆਪਣੇ ਵਿਚਾਰ ਪ੍ਰਗਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
6. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀ ਪੈਦਾ ਹੁੰਦੀ ਹੈ।

ਪੇਪਰ ਤੀਜਾ : ਪੰਜਾਬੀ ਨਾਟਕਕਾਰ ਅਜਮੇਰ ਔਲਖ : ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-2)

1. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਨਾਟਕਕਾਰਾਂ ਦੁਆਰਾ ਪੇਸ਼ ਕੀਤੇ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਤੇ ਇਤਿਹਾਸਿਕ ਹਾਲਾਤਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਆਪਣੇ ਨਿੱਜੀ, ਸਮਾਜਿਕ ਤੇ ਰਾਜਨੀਤਿਕ ਵਿਚਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਭਾਵਾਂ ਤੇ ਵਿਚਾਰਾਂ ਨੂੰ ਵਾਰਤਾਲਾਪ ਵਿੱਚ ਤਿਆਰ ਕਰਕੇ ਸਟੇਜ ਤੇ ਦਰਸ਼ਕਾਂ ਸਾਹਮਣੇ ਦ੍ਰਿੜ ਇਰਾਦੇ ਨਾਲ ਪੇਸ਼ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਤੇ ਰੰਗਮੰਚ ਦੀ ਜਾਣਕਾਰੀ ਨਾਲ ਸਭਿਆਚਾਰਕ ਪਰੰਪਰਾਵਾਂ ਅਤੇ ਸਮਾਜਿਕ ਵਿਸ਼ਿਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਨਾਟਕ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਇਕਾਗਰਤਾ ਵਧਾਉਣ ਵਿੱਚ ਮਦਦਗਰ ਸਾਬਿਤ ਹੁੰਦਾ ਹੈ।
5. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਜਿੱਥੇ ਸਮੂਹਿਕ ਰੂਪ ਵਿੱਚ ਕੰਮ ਕਰਨ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਹੁੰਦੀ ਹੈ ਉੱਥੇ ਉਹ ਸੁਤੰਤਰਤਾ ਨਾਲ ਆਪਣੇ ਵਿਚਾਰ ਪ੍ਰਗਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
6. ਨਾਟਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀਆਂ ਅੰਦਰ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀ ਪੈਦਾ ਹੁੰਦੀ ਹੈ।

Course Outcome (CO-IV)

ਪੇਪਰ ਚੌਥਾ: ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ

1. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਸਮੂਹਿਕ ਪਸਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
 2. ਵਿਦਿਆਰਥੀਆਂ ਦੁਆਰਾ ਕੀਤਾ ਗਿਆ ਪੰਜਾਬੀ ਕਾਵਿ ਦਾ ਅਧਿਐਨ ਉਸਨੂੰ ਪੰਜਾਬੀ ਕਵੀਆਂ ਤੇ ਉਨ੍ਹਾਂ ਦੀਆਂ ਵਿਚਾਰਧਾਰਾਵਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਾ ਦਿੰਦਾ ਹੈ।
 3. ਕਾਵਿ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦੇ ਲੈਅ ਮੰਡਲ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਕਵਿਤਾ ਦੇ ਭਾਵਨਾਤਮਕ ਅਨੁਭਵ ਤੱਕ ਪਹੁੰਚਣ ਦਾ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋ ਜਾਂਦਾ ਹੈ।
 4. ਵਿਦਿਆਰਥੀ ਕਾਵਿਕ ਨਿਯਮਾਂ ਦਾ ਅਧਿਐਨ ਕਰਕੇ, ਆਪਣੇ ਪੱਧਰ 'ਤੇ ਕਾਵਿ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
- ਪੇਪਰ ਚੌਥਾ : ਆਧੁਨਿਕ ਬਿਰਤਾਂਤਕ ਕਾਵਿ
(ਆਪਸ਼ਨ-2)

1. ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਸਮੂਹਿਕ ਪਸਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀਆਂ ਦੁਆਰਾ ਕੀਤਾ ਗਿਆ ਪੰਜਾਬੀ ਕਾਵਿ ਦਾ ਅਧਿਐਨ ਉਸਨੂੰ ਪੰਜਾਬੀ ਕਵੀਆਂ ਤੇ ਉਨ੍ਹਾਂ ਦੀਆਂ ਵਿਚਾਰਧਾਰਾਵਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਾ ਦਿੰਦਾ ਹੈ।
3. ਕਾਵਿ ਦੇ ਅਧਿਐਨ ਨਾਲ ਵਿਦਿਆਰਥੀ ਕਵਿਤਾ ਦੇ ਲੈਅ ਮੰਡਲ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਕਵਿਤਾ ਦੇ ਭਾਵਨਾਤਮਕ ਅਨੁਭਵ ਤੱਕ ਪਹੁੰਚਣ ਦਾ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਕਾਬਲ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਕਾਵਿਕ ਨਿਯਮਾਂ ਦਾ ਅਧਿਐਨ ਕਰਕੇ, ਆਪਣੇ ਪੱਧਰ 'ਤੇ ਕਾਵਿ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-V)

ਪੇਪਰ ਪੰਜਵਾਂ: ਪੰਜਾਬੀ ਗਲਪ

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਦੀ ਰੂਪ ਵਿਧਾ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖਾਂ ਨੂੰ ਜਾਣਨ ਉਪਰੰਤ ਜ਼ਿੰਦਗੀ ਦੇ ਯਥਾਰਥ ਨੂੰ ਵੱਖ-ਵੱਖ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਪਰਵਾਸ ਦੇ ਵਰਤਾਰੇ ਨੂੰ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਕਾਬਲ ਬਣ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਵੱਖ-ਵੱਖ ਥਾਵਾਂ ਦੇ ਸਮਾਜ, ਧਰਮ, ਰਾਜਨੀਤੀ ਅਤੇ ਸਭਿਆਚਾਰਾਂ ਦੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਅਤੇ ਇਹਨਾਂ ਅੰਦਰ ਲੁਕੀਆਂ ਪਰਤਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਜ਼ਿੰਦਗੀ ਦੇ ਕੌਮਲ ਵਲਵਲਿਆਂ ਦੀ ਪ੍ਰਾਪਤੀ ਅਤੇ ਅਪ੍ਰਾਪਤੀ ਨੂੰ ਸਵੀਕਾਰ ਕਰਨ ਅਤੇ ਜ਼ਿੰਦਗੀ ਜਿਊਣ ਲਈ, ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਸੁਨਹਿਰੀ ਕਿਣਕੇ ਕਾਇਮ ਰੱਖਣ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਜੰਗਾਂ ਅਤੇ ਯੁੱਧਾਂ ਦੇ ਫੈਸਲਿਆਂ, ਕਾਰਨਾਂ ਅਤੇ ਇਹਨਾਂ ਦੇ ਮਨੁੱਖਤਾ ਉੱਤੇ ਲੰਮੇ ਸਮੇਂ ਤੱਕ ਪੈਣ ਵਾਲੇ ਦੁਰ ਪ੍ਰਭਾਵਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਜੰਗਾਂ ਅਤੇ ਯੁੱਧਾਂ ਦੌਰਾਨ ਮਨੁੱਖਤਾ ਦਾ ਘਾਣ ਨਾ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
6. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬ ਦੀ ਰਾਜਨੀਤੀ, ਧਰਮ, ਇਤਿਹਾਸ ਅਤੇ ਸਭਿਆਚਾਰ, ਇਸ ਵਿੱਚ ਇਤਿਹਾਸਕ ਕ੍ਰਮ ਅਨੁਸਾਰ ਆ ਰਹੇ ਰੂਪਾਂਤਰਣ ਨੂੰ ਸਮਝਣ ਦੇ ਨਾਲ-ਨਾਲ ਵਰਤਮਾਨ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

ਪੇਪਰ ਪੰਜਵਾਂ: ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਗਲਪ (ਆਪਸ਼ਨ -2)

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਦੀ ਰੂਪ ਵਿਧਾ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖਾਂ ਨੂੰ ਜਾਣਨ ਉਪਰੰਤ ਜ਼ਿੰਦਗੀ ਦੇ ਯਥਾਰਥ ਨੂੰ ਵੱਖ-ਵੱਖ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਪਰਵਾਸੀ ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਦੇ ਪ੍ਰਮੁੱਖ ਸਰੋਕਾਰਾਂ ਅਤੇ ਇਹਨਾਂ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀਆਂ ਦੇ ਪ੍ਰਵਾਸ ਧਾਰਨ ਕਰਨ ਦੇ ਕਾਰਨਾਂ, ਉਹਨਾਂ ਨੂੰ ਪਰਵਾਸ ਦੀ ਧਰਤੀ 'ਤੇ ਦਰਪੇਸ਼ ਸਮੱਸਿਆਵਾਂ, ਚੁਣੌਤੀਆਂ ਅਤੇ ਉਹਨਾਂ ਦੀ ਵਰਤਮਾਨ ਸਥਿਤੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਬਰਤਾਨੀਆ, ਅਮਰੀਕਾ ਅਤੇ ਕਨੇਡਾ ਆਦਿ ਦੇਸ਼ਾਂ ਦੇ ਸਮਾਜ, ਧਰਮ, ਰਾਜਨੀਤੀ ਅਤੇ ਸਭਿਆਚਾਰ ਅੰਦਰ ਲੁਕੀਆਂ ਵਿਭਿੰਨ ਪਰਤਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਉਹਨਾਂ ਦਾ ਭਾਰਤੀ ਪੰਜਾਬ ਨਾਲ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਜ਼ਿੰਦਗੀ ਦੇ ਕੋਮਲ ਵਲਵਲਿਆਂ ਦੀ ਪ੍ਰਾਪਤੀ ਅਤੇ ਅਪ੍ਰਾਪਤੀ ਨੂੰ ਸਵੀਕਾਰ ਕਰਨ ਅਤੇ ਜ਼ਿੰਦਗੀ ਜਿਊਣ ਲਈ, ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਸੁਨਹਿਰੀ ਕਿਣਕੇ ਕਾਇਮ ਰੱਖਣ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।

ਪੇਪਰ ਪੰਜਵਾਂ: ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਗਲਪ (ਆਪਸ਼ਨ -2)

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਦੀ ਰੂਪ ਵਿਧਾ ਦੇ ਸਿਧਾਂਤਕ ਪੱਖਾਂ ਨੂੰ ਜਾਣਨ ਉਪਰੰਤ ਜ਼ਿੰਦਗੀ ਦੇ ਯਥਾਰਥ ਨੂੰ ਵੱਖ-ਵੱਖ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਦੇ ਪ੍ਰਮੁੱਖ ਸਰੋਕਾਰਾਂ ਅਤੇ ਇਹਨਾਂ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਗੁਆਂਢੀ ਮੁਲਕ ਪਾਕਿਸਤਾਨ ਦੇ ਸਮਾਜ, ਧਰਮ, ਰਾਜਨੀਤੀ ਅਤੇ ਸਭਿਆਚਾਰਾਂ ਅੰਦਰ ਲੁਕੀਆਂ ਵਿਭਿੰਨ ਪਰਤਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਉਹਨਾਂ ਦੇ ਭਾਰਤੀ ਪੰਜਾਬ ਨਾਲ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਜੰਗਾਂ, ਯੁੱਧਾਂ ਦੇ ਹੋਣ ਸਬੰਧੀ ਲਏ ਗਏ ਫ਼ੈਸਲਿਆਂ ਅਤੇ ਇਹਨਾਂ ਦੇ ਮਨੁੱਖਤਾ ਉੱਤੇ ਲੰਮੇ ਸਮੇਂ ਤੱਕ ਪੈਣ ਵਾਲੇ ਦੁਰ ਪ੍ਰਭਾਵਾਂ ਨੂੰ ਸਮਝਣ, ਪੁਰਾਣੀਆਂ ਸਭਿਆਚਾਰਕ ਸਾਂਝਾਂ ਨੂੰ ਕਾਇਮ ਰੱਖਣ ਅਤੇ ਅਜਿਹੇ ਹਾਲਾਤਾਂ ਦੌਰਾਨ ਮਨੁੱਖਤਾ ਦਾ ਘਾਣ ਨਾ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਸਮਾਜ ਵਿਚ ਆਰਥਿਕਤਾ ਦੀ ਕਾਣੀ ਵੰਡ ਕਾਰਨ ਪੈਦਾ ਹੋਏ ਵਰਗਾਂ ਅਤੇ ਉਹਨਾਂ ਦੀ ਆਪਸੀ ਕਸ਼ਮਕਸ਼ ਰਾਹੀਂ ਵਰਗ ਸੰਘਰਸ਼ ਦੇ ਵਿਭਿੰਨ ਪੈਂਤੜਿਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
6. ਵਿਦਿਆਰਥੀ ਪਾਕਿਸਤਾਨੀ ਪੰਜਾਬੀ ਔਰਤ ਨੂੰ ਦਰਪੇਸ਼ ਸਮਾਜਕ ਸਮੱਸਿਆਵਾਂ ਅਤੇ ਚੁਣੌਤੀਆਂ ਦੇ ਜ਼ਰੀਏ ਔਰਤ ਦੀ ਸਮਾਜਕ ਅਤੇ ਸਭਿਆਚਾਰਕ ਸਥਿਤੀ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-VI)

ਪੇਪਰ ਪਹਿਲਾ: ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ

1. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਸ਼ੇ ਰਾਹੀਂ ਭਾਸ਼ਾ ਦੇ ਵਿਗਿਆਨਕ ਨਜ਼ਰੀਏ ਦਾ ਪਤਾ ਚਲਦਾ ਹੈ ਅਤੇ ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
2. ਪੇਪਰ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੀ ਉਤਪਤੀ, ਭਾਸ਼ਾ ਦਾ ਸੰਚਾਰ, ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ ਅਤੇ ਆਧੁਨਿਕ ਤਕਨਾਲੋਜੀ ਕੰਪਿਊਟਰ ਦੀ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਕੇ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਅੰਦਰ ਇਸ ਤਰ੍ਹਾਂ ਦੀ ਚੇਤਨਾ ਪੈਦਾ ਹੁੰਦੀ ਹੈ ਜਿਸ ਨਾਲ ਉਹ ਕਿਸੇ ਸਭਿਅਤਾ ਅਤੇ ਸਭਿਆਚਾਰ ਜਾਂ ਹੋਰ ਤੱਤਾਂ ਬਾਰੇ ਗਹਿਰਾਈ ਨਾਲ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰਕੇ ਅਨੁਵਾਦ ਦੇ ਖੇਤਰ ਵਿਚ ਮੁਹਾਰਤ ਹਾਸਿਲ ਕਰਕੇ ਨੌਕਰੀ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਵੀ ਹੋਰ ਭਾਸ਼ਾ ਦੇ ਬੁਲਾਰੇ ਨਾਲ ਸੰਵਾਦ ਸਥਾਪਿਤ ਕਰਕੇ ਕਿੱਤੇ ਵਜੋਂ ਦੋ ਭਾਸ਼ੀ ਰੁਜ਼ਗਾਰ ਦੀ ਪ੍ਰਾਪਤੀ ਕਰਕੇ ਕਿੱਤਾ ਮੁਖੀ ਸਿੱਖਿਆ ਨਾਲ ਭਰਪੂਰ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰਦਾ ਹੈ।
5. ਆਧੁਨਿਕ ਸਮੇਂ ਵਿਚ ਕੰਪਿਊਟਰ ਦੀ ਸਿਧਾਂਤਕ ਸਮਝ ਲਈ ਵਿਆਕਰਨਿਕ ਪੱਖ ਤੋਂ ਇਸ ਵਿਸ਼ੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣਕੇ ਅੰਤਰਰਾਸ਼ਟਰੀ ਪੱਧਰ 'ਤੇ ਬਹੁ ਭਾਸ਼ਾਈ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਦਾ ਹੈ।

Course Outcome (CO-VII)

ਪੇਪਰ ਦੂਜਾ: ਗੁਰਮਤਿ ਕਾਵਿ (ਆਪਸ਼ਨ-1)

1. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਕ ਜਗਤ ਦੇ ਪਸਾਰਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਗੁਰੂ ਨਾਨਕ ਬਾਣੀ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸ੍ਰਿਸ਼ਟੀ ਦੀ ਮੂਲ ਰਚਨਾ ਅਤੇ ਅਧਿਆਤਮ ਦੇ ਪੰਜ ਖੰਡਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਭਾਈ ਗੁਰਦਾਸ ਦੀਆਂ ਵਾਰਾਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਗੁਰੂ ਨਾਨਕ ਕਾਲ ਦੀ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਸਭਿਆਚਾਰਿਕ ਅਤੇ ਇਤਿਹਾਸਿਕ ਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝ ਕੇ ਨੇਕੀ ਅਤੇ ਬਦੀ ਵਿੱਚ ਅੰਤਰ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਭਾਈ ਗੁਰਦਾਸ ਦੀਆਂ ਵਾਰਾਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਰਹਿਤ ਮਰਿਯਾਦਾ ਅਨੁਸਾਰ ਗੁਰਸਿੱਖ ਦੀ ਜੀਵਨ ਜਾਚ ਨੂੰ ਜਿਊਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀ ਬਾਣੀ ਸੁਖਮਨੀ ਸਾਹਿਬ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸੰਤ ਦਾ ਜੀਵਨ, ਬ੍ਰਹਮ ਗਿਆਨੀ ਦੀ ਪਹਿਚਾਣ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਆਧੁਨਿਕ ਭੇਖੀ ਸਾਧੂ ਸੰਤਾਂ ਦੇ ਦੰਭ ਤੋਂ ਸੁਚੇਤ ਹੋ ਜਾਂਦਾ ਹੈ।
6. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀ ਬਾਣੀ ਸੁਖਮਨੀ ਸਾਹਿਬ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸੱਚਾ-ਸੁੱਚਾ ਜੀਵਨ ਜਾਚ, ਦੁੱਖ-ਸੁੱਖ ਵਿੱਚ ਸਹਿਜਤਾ ਨਾਲ ਵਿਚਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

ਪੇਪਰ ਦੂਜਾ: ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਵਿਸ਼ੇਸ਼ ਸ਼ਖਸੀਅਤ ਦੇ ਜੀਵਨ ਅਤੇ ਉਸਦੀ ਰਚਨਾ ਦਾ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

2. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਕ ਜਗਤ ਦੇ ਪਸਾਰਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਗੁਰੂ ਨਾਨਕ ਦੇ ਜੀ ਦੀਆਂ ਬਾਣੀਆਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸ਼ਿਸ਼ਟੀ ਦੀ ਮੂਲ ਰਚਨਾ ਅਤੇ ਅਧਿਆਤਮ ਦੇ ਪੰਜ ਖੰਡਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਇਨ੍ਹਾਂ ਬਾਣੀਆਂ ਦਾ ਅਧਿਐਨ ਵਿਦਿਆਰਥੀ ਨੂੰ ਸਮਾਜਿਕ ਵਿਵਸਥਾ ਦੇ ਨਾਲ ਨਾਲ ਕੁਦਰਤੀ ਰਹੱਸਾਂ ਬਾਰੇ ਵੀ ਜਨਣ ਦੇ ਸਮਰੱਥ ਬਣਾਉਂਦਾ ਹੈ।

ਪੇਪਰ ਦੂਜਾ : ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਵਿਸ਼ੇਸ਼ ਸ਼ਖਸੀਅਤ ਦੇ ਜੀਵਨ ਅਤੇ ਉਸਦੀ ਰਚਨਾ ਦਾ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਕ ਜਗਤ ਦੇ ਪਸਾਰਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਇਨ੍ਹਾਂ ਬਾਣੀਆਂ ਦਾ ਅਧਿਐਨ ਵਿਦਿਆਰਥੀ ਨੂੰ ਸਮਾਜਿਕ ਵਿਵਸਥਾ ਦੇ ਨਾਲ ਨਾਲ ਕੁਦਰਤੀ ਰਹੱਸਾਂ ਬਾਰੇ ਵੀ ਜਨਣ ਦੇ ਸਮਰੱਥ ਬਣਾਉਂਦਾ ਹੈ।
4. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀ ਬਾਣੀ ਸੁਖਮਨੀ ਸਾਹਿਬ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸੰਤ ਦਾ ਜੀਵਨ, ਬ੍ਰਹਮ ਗਿਆਨੀ ਦੀ ਪਹਿਚਾਣ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਆਧੁਨਿਕ ਭੇਖੀ ਸਾਧੂ ਸੰਤਾਂ ਦੇ ਦੰਭ ਤੋਂ ਸੁਚੇਤ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ ਦੀਆਂ ਬਾਣੀਆਂ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸੱਚਾ-ਸੁੱਚਾ ਜੀਵਨ ਜਾਚ, ਦੁੱਖ-ਸੁੱਖ ਵਿੱਚ ਸਹਿਜਤਾ ਨਾਲ ਵਿਚਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-VIII)

ਪੇਪਰ ਤੀਜਾ: ਪੰਜਾਬੀ ਵਾਰਤਕ (ਆਪਸ਼ਨ-1)

1. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੇ ਸਿਧਾਂਤ, ਸਰੂਪ ਤੇ ਵਿਕਾਸ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਸਾਹਿਤ ਲਿਖਣ ਵੱਲ ਰੁਚਿਤ ਹੋਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਅਤੇ ਨਵੀਨ ਵਾਰਤਕ ਦੇ ਵੱਖ-ਵੱਖ ਰੂਪਾਂ ਦੇ ਅੰਤਰ ਸੰਬੰਧਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਉਨ੍ਹਾਂ ਵਿੱਚ ਪੇਸ਼ ਜੀਵਨ-ਜਾਚ ਨੂੰ ਅਪਣਾਉਂਦਾ ਹੋਇਆ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਆਉਣ ਵਾਲੀਆਂ ਸਮੱਸਿਆਵਾਂ ਦਾ ਮੁਕਾਬਲਾ ਕਰਨ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀਆਂ ਵੱਖੋ-ਵੱਖਰੀਆਂ ਪ੍ਰਗਟਾਅ ਸ਼ੈਲੀਆਂ ਦੇ ਅੰਦਰੂਨੀ ਅੰਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।

ਪੇਪਰ ਤੀਜਾ: ਜਨਮ ਸਾਖੀ ਸਾਹਿਤ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਵਿਦਿਆਰਥੀ ਜਨਮਸਾਖੀ ਸਾਹਿਤ ਦੇ ਸਿਧਾਂਤ, ਸਰੂਪ ਤੇ ਵਿਕਾਸ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਮੱਧਕਾਲੀ ਜੀਵਨ, ਅਧਿਆਤਮਕ ਪਸਾਰਾਂ ਅਤੇ ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਬੀਜ-ਰੂਪਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਵਾਰਤਕ ਦੇ ਵੱਖ-ਵੱਖ ਰੂਪਾਂ ਦੇ ਅੰਤਰ ਸੰਬੰਧਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਉਨ੍ਹਾਂ ਵਿੱਚ ਪੇਸ਼ ਜੀਵਨ-ਜਾਚ ਨੂੰ ਅਪਣਾਉਂਦਾ ਹੋਇਆ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਆਉਣ ਵਾਲੀਆਂ ਸਮੱਸਿਆਵਾਂ ਦਾ ਮੁਕਾਬਲਾ ਕਰਨ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਜਨਮਸਾਖੀ ਸਾਹਿਤਕ ਵਿਧਾ ਦੇ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ ਰਾਹੀਂ ਮੱਧਕਾਲੀ ਵਾਰਤਕ ਵਿਸ਼ੇਸ਼ ਸਾਹਿਤਕ ਵਿਧਾ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।

ਪੇਪਰ ਤੀਜਾ: ਗੁਰਬਖਸ਼ ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਉੱਘੇ ਵਾਰਤਕਕਾਰ ਦੇ ਜੀਵਨ ਅਤੇ ਉਸਦੀ ਰਚਨਾ ਦਾ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੇ ਸਿਧਾਂਤ, ਸਰੂਪ ਤੇ ਵਿਕਾਸ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਸਾਹਿਤ ਲਿਖਣ ਵੱਲ ਰੁਚਿਤ ਹੋਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਨਵੀਨ ਵਾਰਤਕ ਦੇ ਵੱਖ-ਵੱਖ ਰੂਪਾਂ ਦੇ ਅੰਤਰ ਸੰਬੰਧਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਉਨ੍ਹਾਂ ਵਿੱਚ ਪੇਸ਼ ਜੀਵਨ-ਜਾਚ ਨੂੰ ਅਪਣਾਉਂਦਾ ਹੋਇਆ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਆਉਣ ਵਾਲੀਆਂ ਸਮੱਸਿਆਵਾਂ ਦਾ ਮੁਕਾਬਲਾ ਕਰਨ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਵਾਰਤਕ ਦੀਆਂ ਵੱਖੋ-ਵੱਖਰੀਆਂ ਪ੍ਰਗਟਾਅ ਸ਼ੈਲੀਆਂ ਦੇ ਅੰਦਰੂਨੀ ਅੰਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣਦਾ ਹੈ।
5. ਇਸ ਪੇਪਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਗੁਰਬਖਸ਼ ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ ਦੇ ਜੀਵਨ ਅਤੇ ਉਸਦੀ ਰਚਨਾ ਦਾ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ ਰਾਹੀਂ ਉਸਦੀ ਸਹਿਤਕ ਪ੍ਰਤਿਭਾ ਅਤੇ ਰਚਨਾ ਦੇ ਅੰਦਰੂਨੀ ਪਸਾਰਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO-IX)

ਪੇਪਰ ਚੌਥਾ: ਸੂਫੀ ਤੇ ਬੀਰ ਕਾਵਿ(ਆਪਸ਼ਨ-1)

1. ਚੰਡੀ ਦੀ ਵਾਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਨੇਕੀ ਅਤੇ ਬਦੀ ਵਿੱਚ ਅੰਤਰ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਇਸ ਪੇਪਰ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਲੋਕ-ਜੀਵਨ ਬਾਰੇ ਸਮੁੱਚੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਜੰਗਨਾਮਾ ਸ਼ਾਹ ਮੁਹੰਮਦ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਦੇ ਕਾਲ ਵਿੱਚ ਸਿੱਖ ਰਾਜ ਦੇ ਪਤਨ ਅਤੇ ਅੰਗਰੇਜ਼ ਰਾਜ ਦੇ ਉਥਾਨ ਸੰਬੰਧੀ ਸਮੁੱਚੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰਦਾ ਹੈ।
4. ਜੰਗਨਾਮਾ ਸ਼ਾਹ ਮੁਹੰਮਦ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਫ਼ੇਰੂ ਸ਼ਹਿਰ ਅਤੇ ਮੁੱਦਕੀ ਦੀਆਂ ਇਤਿਹਾਸਿਕ ਲੜਾਈਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰ ਲੈਂਦਾ ਹੈ।

ਪੇਪਰ ਚੌਥਾ: ਸੂਫੀ ਕਾਵਿ ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਸੂਫੀਮਤ ਦੇ ਅਰਥ ਅਤੇ ਸੂਫੀਮਤ ਦੇ ਪੜਾਵਾਂ ਤੋਂ ਵਿਦਿਆਰਥੀ ਜਾਣੂ ਹੋ ਜਾਂਦੇ ਹਨ।

2. ਇਸ ਵਿਸ਼ੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਗੁਰੂ ਨਾਨਕ ਕਾਲ ਤੋਂ ਲੈ ਕੇ 18ਵੀਂ ਸਦੀ ਤੱਕ ਦੇ ਸੂਫੀ ਕਵੀਆਂ ਦੁਆਰਾ ਵਰਤੇ ਲੋਕ ਕਾਵਿ-ਰੂਪਾਂ, ਲੋਕ ਛੰਦਾਂ, ਲੋਕ ਭਾਸ਼ਾ ਅਤੇ ਠੇਠ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।
3. ਸੂਫੀ ਕਾਵਿ ਉੱਤੇ ਗੁਰਮਤਿ ਆਸੇ, ਸ਼ੈਲੀ ਤੇ ਸ਼ਬਦਾਵਲੀ ਦੇ ਪਾਏ ਡੂੰਘੇ ਪ੍ਰਭਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੈ।
4. ਸੂਫੀ ਕਵੀਆਂ ਦੁਆਰਾ ਪ੍ਰਗਟਾਏ ਵਿਸ਼ਵ-ਪਿਆਰ, ਭਰਾਤੀਭਾਵ, ਸਾਝੀਵਾਲਤਾ ਤੇ ਸੱਚੇ ਇਸ਼ਕ ਦੇ ਉੱਚੇ ਭਾਵਾਂ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀ ਵਿਹਾਰਕ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਅਪਣਾ ਕੇ ਚੰਗਾ ਨਾਗਰਿਕ ਬਣਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦਾ ਹੈ।

ਪੇਪਰ ਚੌਥਾ: ਕਿੱਸਾ ਕਾਵਿ (ਆਪਸ਼ਨ-1)

1. ਕਿੱਸਾ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਉਸ ਸਮੇਂ ਦੇ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਸਭਿਆਚਾਰਿਕ, ਇਤਿਹਾਸਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਆਧੁਨਿਕ ਹਾਲਾਤਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਕਿੱਸਾ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਇਸ਼ਕ ਮਜ਼ਾਜ਼ੀ ਤੋਂ ਇਸ਼ਕ ਹਕੀਕੀ ਦੇ ਪੜਾਵਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।

ਪੇਪਰ ਚੌਥਾ: ਆਧੁਨਿਕ ਕਿੱਸਾ ਕਾਵਿ (ਆਪਸ਼ਨ-ਦੂਜੀ)

1. ਕਿੱਸਾ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਉਸ ਸਮੇਂ ਦੇ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਸਭਿਆਚਾਰਿਕ, ਇਤਿਹਾਸਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਆਧੁਨਿਕ ਹਾਲਾਤਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਕਿੱਸਾ ਕਾਵਿ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਇਸ਼ਕ ਮਜ਼ਾਜ਼ੀ ਤੋਂ ਇਸ਼ਕ ਹਕੀਕੀ ਦੇ ਪੜਾਵਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO-X)

ਪੇਪਰ ਪੰਜਵਾਂ: ਸਭਿਆਚਾਰ, ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਅਤੇ ਲੋਕਧਾਰਾ, ਪੰਜਾਬੀ ਲੋਕਧਾਰਾ

1. ਇਸ ਪੇਪਰ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਗਲੋਬਲੀ ਸਭਿਆਚਾਰ ਤੇ ਪੰਜਾਬ ਦੀ ਲੋਕਧਾਰਾ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਸਕਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਤੇ ਨਵੀਨ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਤੇ ਲੋਕਧਾਰਾ ਦਾ ਗਿਆਨ ਪ੍ਰਾਪਤ ਕਰਕੇ ਸਮਾਜਿਕ ਹਾਲਾਤਾਂ ਨੂੰ ਸਮਝਦੇ ਹੋਏ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਰਸਮਾਂ ਰਿਵਾਜ਼, ਕਿੱਤੇ, ਤਿਉਹਾਰ, ਪਹਿਰਾਵਾ ਅਤੇ ਰਿਸ਼ਤਾ ਨਾਤਾ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਕੇ ਆਧੁਨਿਕ ਸਮੇਂ ਵਿੱਚ ਹੋ ਰਹੇ ਲੋਕਧਾਰਾਈ ਬਦਲਾਅ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਸਕਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਨਰੋਆ ਸਮਾਜ ਸਿਰਜਣ ਦੇ ਯੋਗ ਹੋ ਕੇ ਸਮਾਜ ਵਿਚਲੀਆਂ ਕੁਰੀਤੀਆਂ ਨੂੰ ਖ਼ਤਮ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਸਕਦੇ ਹਨ।
5. ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਤਵ ਵਿਭਾਗ ਪੰਜਾਬ ਵਿੱਚ ਨੌਕਰੀ ਕਰਨ ਦੇ ਸਮਰੱਥ ਵੀ ਹੋ ਸਕਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

ਬੀ.ਏ., ਬੀ.ਕਮ., ਬੀ.ਐਸਸੀ.ਮੈਡੀਕਲ, ਬੀ.ਐਸਸੀ. ਨਾਨ-ਮੈਡੀਕਲ), ਬੀ.ਸੀ.ਏ., ਬੀ.ਬੀ.ਏ. ਕੋਰਸ ਆਊਟਕਮ ਹੇਠ ਲਿਖੇ ਹਨ:

ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ

1. ਵਿਦਿਆਰਥੀ ਸਮਕਾਲੀ ਲੇਖਕਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਉਹਨਾਂ ਨੂੰ ਉਹ ਕਾਵਿਕ ਅੰਦਾਜ਼ ਵਿੱਚ ਪੇਸ਼ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਕਥਾ ਕਹਾਣੀਆਂ ਰਾਹੀਂ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਲੇਖ ਰਚਨਾ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਅਤੇ ਧਾਰਮਿਕ ਪੱਖਾਂ ਨੂੰ ਜਾਣਨ ਦੀ ਜਾਚ ਸਿੱਖਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਸੰਸਾਰ ਦੀਆਂ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਸ਼ੁੱਧ ਰੂਪ ਵਿੱਚ ਬੋਲਣ, ਸਿੱਖਣ ਅਤੇ ਲਿਖਣ ਦਾ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਖਿੱਤੇ ਵਿੱਚ ਬੋਲੀਆਂ ਜਾਣ ਵਾਲੀਆਂ ਪੰਜਾਬੀ ਦੀਆਂ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਰਾਹੀਂ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ-ਲਾਜ਼ਮੀ

B.Voc. Fashion Designing (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਕਥਾ ਕਹਾਣੀਆਂ ਰਾਹੀਂ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਸਮਕਾਲੀ ਲੇਖਕਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਵਿਹਾਰਕ ਜੀਵਨ-ਜਾਚ ਸਿੱਖ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਵਿਗਿਆਪਨ ਦੀ ਤਿਆਰੀ, ਮਹੱਤਤਾ ਤੇ ਉਸਦੇ ਵੱਖ-ਵੱਖ ਪਸਾਰਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਵਿਚਲੇ ਪਰੰਪਰਿਕ ਸੱਚ ਤੇ ਲੋਕ ਤੱਥਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

B.Voc. Food Processing (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਰਾਹੀਂ ਜ਼ਿੰਦਗੀ ਦੇ ਯਥਾਰਥ ਨੂੰ ਵੱਖ-ਵੱਖ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

2. ਵਿਦਿਆਰਥੀ ਨਿਬੰਧਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਵਿਹਾਰਕ ਜੀਵਨ-ਜਾਚ ਸਿੱਖ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਵਿਗਿਆਪਨ ਦੀ ਤਿਆਰੀ, ਮਹੱਤਤਾ ਤੇ ਉਸਦੇ ਵੱਖ-ਵੱਖ ਪਸਾਰਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਵਿਚਲੇ ਪਰੰਪਰਿਕ ਸੱਚ ਤੇ ਲੋਕ ਤੱਥਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

B.Voc. Automobile (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

6. ਵਿਦਿਆਰਥੀ ਨਿਬੰਧਾਂ ਰਾਹੀਂ ਜੀਵਨ-ਜਾਚ, ਨੈਤਿਕ ਕਦਰਾਂ ਕੀਮਤਾਂ, ਆਧੁਨਿਕ ਯੁੱਗ ਵਿਚ ਬਜ਼ੁਰਗਾਂ ਦਾ ਸਤਿਕਾਰ ਅਤੇ ਅਤੇ ਹਾਂ ਪੱਖੀ ਰਵੱਈਏ ਨੂੰ ਅਪਨਾਉਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
7. ਵਿਦਿਆਰਥੀ ਲਘੂ ਨਾਟਕਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਦ੍ਰਿਸ਼ ਜੁਗਤ ਰਾਹੀਂ ਵਧੇਰੇ ਡੂੰਘਾਈ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
8. ਵਿਦਿਆਰਥੀ ਵਿਗਿਆਪਨ ਦੀ ਤਿਆਰੀ, ਮਹੱਤਤਾ ਤੇ ਉਸਦੇ ਵੱਖ-ਵੱਖ ਪਸਾਰਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
9. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਵਿਚਲੇ ਪਰੰਪਰਿਕ ਸੱਚ ਤੇ ਲੋਕ ਤੱਥਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
10. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

B.Voc. Software Development (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਰਾਹੀਂ ਸਮਾਜਿਕ ਕਦਰਾਂ-ਕੀਮਤਾਂ, ਰਿਸ਼ਤਿਆਂ ਵਿਚਲੀ ਟੁੱਟ-ਭੱਜ, ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਇਕਾਂਗੀ ਵਿਧਾ ਦੁਆਰਾ ਜੀਵਨ ਦੇ ਕਿਸੇ ਵਿਸ਼ੇਸ਼ ਪੱਖ ਨੂੰ ਦ੍ਰਿਸ਼ ਜੁਗਤ ਰਾਹੀਂ ਵਧੇਰੇ ਗਹਿਰਾਈ ਨਾਲ ਸਮਝਣ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਵਿਗਿਆਪਨ ਦੀ ਤਿਆਰੀ, ਮਹੱਤਤਾ ਤੇ ਉਸਦੇ ਵੱਖ-ਵੱਖ ਪਸਾਰਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਵਿਚਲੇ ਪਰੰਪਰਿਕ ਸੱਚ ਤੇ ਲੋਕ ਤੱਥਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

B.Voc. Agriculture (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਰਾਹੀਂ ਸਮਾਜਿਕ ਕਦਰਾਂ-ਕੀਮਤਾਂ, ਰਿਸ਼ਤਿਆਂ ਵਿਚਲੀ ਟੁੱਟ-ਭੱਜ, ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਕਥਾ ਕਹਾਣੀਆਂ ਰਾਹੀਂ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਵਿਗਿਆਪਨ ਦੀ ਤਿਆਰੀ, ਮਹੱਤਤਾ ਤੇ ਉਸਦੇ ਵੱਖ-ਵੱਖ ਪਸਾਰਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਆਪਣੀ ਮਾਤ ਭਾਸ਼ਾ ਵਿਚਲੇ ਪਰੰਪਰਿਕ ਸੱਚ ਤੇ ਲੋਕ ਤੱਥਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

B.Sc. (Hons.) Chemistry, B.Sc. (Hons.) Math, B.Sc. (Hons.) Physics, B.Sc. (Hons.) CSM, B.Sc. (Hons.) Biotech., B.Sc. (Hons.) Agriculture, B.A. (Hons.) English, B.Com. (Hons.)
(ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਕਥਾ ਕਹਾਣੀਆਂ ਰਾਹੀਂ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਨਿਬੰਧਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਵਿਹਾਰਕ ਜੀਵਨ-ਜਾਚ ਸਿੱਖ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸ਼ਬਦ ਬਣਤਰ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ ਰਾਹੀਂ ਸੰਸਾਰ ਦੀਆਂ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਸ਼ੁੱਧ ਰੂਪ ਵਿਚ ਬੋਲਣ, ਸਿੱਖਣ ਅਤੇ ਲਿਖਣ ਦਾ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਵਾਕ ਬਣਤਰ ਦੀਆਂ ਜੁਗਤਾਂ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਸਮਝਣ ਅਤੇ ਸਮਝਾਉਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

ਬੀ.ਏ., ਬੀ.ਐਸਸੀ.ਮੈਡੀਕਲ, ਬੀ.ਐਸਸੀ. ਨਾਨ-ਮੈਡੀਕਲ), ਬੀ.ਸੀ.ਏ. ਕੋਰਸ ਆਊਟਕਮ ਹੇਠ ਲਿਖੇ ਹਨ:
(ਸਮੈਸਟਰ ਤੀਜਾ ਅਤੇ ਚੌਥਾ)

1. ਵਿਦਿਆਰਥੀ ਸਮਕਾਲੀ ਲੇਖਕਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਉਹਨਾਂ ਨੂੰ ਉਹ ਨਾਟਕੀ ਅਤੇ ਕਾਵਿਕ ਅੰਦਾਜ਼ ਵਿੱਚ ਪੇਸ਼ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਖਤ ਦੇ ਹੋਂਦ ਵਿੱਚ ਆਉਣ ਦੇ ਪੜਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਖਾਸ ਕਰਕੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਪੀ ਗੁਰਮੁਖੀ ਬਾਰੇ।
3. ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੇ ਮੁੱਢਲੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝ ਕੇ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਦੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਰਾਹੀਂ ਸਮਾਜਿਕ ਕਦਰਾਂ-ਕੀਮਤਾਂ, ਰਿਸ਼ਤਿਆਂ ਵਿਚਲੀ ਟੁੱਟ-ਭੱਜ, ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

Course Outcome (CO) ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ

ਬੀ.ਕਾਮ., ਬੀ.ਬੀ.ਏ. ਕੋਰਸ ਆਊਟਕਮ ਹੇਠ ਲਿਖੇ ਹਨ:

(ਸਮੈਸਟਰ ਤੀਜਾ ਅਤੇ ਚੌਥਾ)

1. ਵਿਦਿਆਰਥੀ ਸਮਕਾਲੀ ਲੇਖਕਾਂ ਦੁਆਰਾ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਦਾ ਹੋਇਆ ਉਹਨਾਂ ਨੂੰ ਉਹ ਨਾਟਕੀ ਅਤੇ ਕਾਵਿਕ ਅੰਦਾਜ਼ ਵਿੱਚ ਪੇਸ਼ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਜਾਂਦਾ ਹੈ।
2. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਖਤ ਦੇ ਹੋਂਦ ਵਿੱਚ ਆਉਣ ਦੇ ਪੜਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਖਾਸ ਕਰਕੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਪੀ ਗੁਰਮੁਖੀ ਬਾਰੇ।
3. ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੇ ਮੁੱਢਲੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝ ਕੇ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਦੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਰਾਹੀਂ ਸਮਾਜਿਕ ਕਦਰਾਂ-ਕੀਮਤਾਂ, ਰਿਸ਼ਤਿਆਂ ਵਿਚਲੀ ਟੁੱਟ-ਭੱਜ, ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।

ਬੀ.ਏ., ਬੀ.ਕਾਮ., ਬੀ.ਐਸਸੀ.ਮੈਡੀਕਲ, ਬੀ.ਐਸਸੀ. ਨਾਨ-ਮੈਡੀਕਲ), ਬੀ.ਸੀ.ਏ., ਬੀ.ਬੀ.ਏ. ਕੋਰਸ ਆਊਟਕਮ ਹੇਠ ਲਿਖੇ ਹਨ: (ਸਮੈਸਟਰ ਪੰਜਵਾਂ ਅਤੇ ਛੇਵਾਂ)

1. ਸਫ਼ਰਨਾਮੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਜਿਥੇ ਪੱਛਮੀ ਪੰਜਾਬ ਦੀ ਰਹਿਤਲ ਤੇ ਸਮਾਜਿਕ ਜੀਵਨ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਉਥੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀਅਤ ਦੀਆਂ ਜੁੜਦੀਆਂ ਸਾਂਝੀਆਂ ਤੰਦਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਵੀ ਹੋ ਜਾਂਦਾ ਹੈ।
2. 'ਸਭਿਆਚਾਰ ਦਰਪਣ' ਪੁਸਤਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਪਰੰਪਰਾਵਾਂ, ਲੋਕ ਨਾਚਾਂ, ਲੋਕ ਕਲਾਵਾਂ, ਰੀਤੀ-ਰਿਵਾਜ, ਤਿੱਥ-ਤਿਉਹਾਰ ਅਤੇ ਸਭਿਆਚਾਰਕ ਵਿਰਸੇ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਆਧੁਨਿਕ ਕਾਲ ਰਾਹੀਂ ਬਦਲ ਰਹੇ ਲੋਕਧਾਰਾਈ ਪਰਿਪੇਖਾਂ ਨਾਲ ਤੁਲਨਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਵਿਆਕਰਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸ਼ਬਦ ਤੋਂ ਲੈ ਕੇ ਵਾਕ ਪੱਧਰ ਤੱਕ ਵੱਖ-ਵੱਖ ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਦੇ ਅਧਿਐਨ ਤੋਂ ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਲਿਖਣ ਤੇ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
4. ਵਿਦਿਆਰਥੀ ਹੋਰਨਾਂ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਅਨੁਵਾਦ ਕਰਕੇ ਅਨੁਵਾਦਕ ਦੇ ਤੌਰ 'ਤੇ ਰੁਜ਼ਗਾਰ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਸਕਦਾ ਹੈ।
5. ਸਫ਼ਰਨਾਮੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਜਿਥੇ ਪੱਛਮੀ ਪੰਜਾਬ ਦੀ ਰਹਿਤਲ ਤੇ ਸਮਾਜਿਕ ਜੀਵਨ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਉਥੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀਅਤ ਦੀਆਂ ਜੁੜਦੀਆਂ ਸਾਂਝੀਆਂ ਤੰਦਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਵੀ ਹੋ ਜਾਂਦਾ ਹੈ।
6. ਸਫ਼ਰਨਾਮੇ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਜਿਥੇ ਪੱਛਮੀ ਪੰਜਾਬ ਦੀ ਰਹਿਤਲ ਤੇ ਸਮਾਜਿਕ ਜੀਵਨ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਉਥੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀਅਤ ਦੀਆਂ ਜੁੜਦੀਆਂ ਸਾਂਝੀਆਂ ਤੰਦਾਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਵੀ ਹੋ ਜਾਂਦਾ ਹੈ।
7. 'ਸਭਿਆਚਾਰ ਦਰਪਣ' ਪੁਸਤਕ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੁਰਾਤਨ ਪਰੰਪਰਾਵਾਂ, ਲੋਕ ਨਾਚਾਂ, ਲੋਕ ਕਲਾਵਾਂ, ਰੀਤੀ-ਰਿਵਾਜ, ਤਿੱਥ-ਤਿਉਹਾਰ ਅਤੇ ਸਭਿਆਚਾਰਕ ਵਿਰਸੇ

ਬੀ.ਏ., ਬੀ.ਕਾਮ., ਬੀ.ਐਸਸੀ.ਮੈਡੀਕਲ, ਬੀ.ਐਸਸੀ. ਨਾਨ-ਮੈਡੀਕਲ), ਬੀ.ਸੀ.ਏ., ਬੀ.ਬੀ.ਏ. ਕੋਰਸ ਆਊਟਕਮ ਹੇਠ ਲਿਖੇ ਹਨ:

/Elementary Punjabi

ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ

Course Outcome

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਿਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

ਸਮੈਸਟਰ ਤੀਜਾ ਅਤੇ ਚੌਥਾ

1. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖੋ-ਵੱਖਰੀਆਂ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਪੰਜਾਬੀ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਦੂਜੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ਬਦ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

3. ਇਸ ਰਾਹੀਂ ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿੱਚ ਮੁਹਾਰਤ ਹਾਸਿਲ ਕਰਕੇ ਕਿਸੇ ਵੀ ਸਰਕਾਰੀ ਜਾਂ ਪ੍ਰਾਈਵੇਟ ਅਦਾਰੇ ਵਿੱਚ ਸੰਚਾਰ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਜਿੱਥੇ ਸਮਾਜਿਕ ਵਰਤਾਰਿਆਂ ਨੂੰ ਵਧੇਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ ਉਥੇ ਭਾਸ਼ਾ ਅਤੇ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਲ ਕਰਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।

ਸਮੈਸਟਰ ਪੰਜਵਾਂ ਅਤੇ ਛੇਵਾਂ

Course Outcome:

1. ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਸਬੰਧੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ ਇਸ ਦੇ ਇਤਿਹਾਸਕ ਪਰਿਪੇਖ, ਗੁਰੂਆਂ-ਪੀਰਾਂ, ਇਤਿਹਾਸਕ ਸਮਾਰਕਾਂ, ਪਿੰਡਾਂ, ਲੋਕਾਂ, ਲੋਕ ਸਾਹਿਤ ਅਤੇ ਲੋਕ ਖੇਡਾਂ ਆਦਿ ਰਾਹੀਂ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਨੂੰ ਸਮਝਣ ਅਤੇ ਇਸ ਵਿੱਚ ਇਕ ਜ਼ਿੰਮੇਵਾਰ ਨਾਗਰਿਕ ਵਜੋਂ ਵਿਚਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਹਾਰਕ ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਦੇ ਗਿਆਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬ ਵਿੱਚ ਦਫ਼ਤਰੀ ਕੰਮ-ਕਾਜ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਵਿਸ਼ੇ ਨਾਲ ਸਬੰਧਤ ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਨ ਉਪਰੰਤ ਆਪਣੇ ਵਿਸ਼ੇ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿੱਚ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

B.Voc. Fashion Designing (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਿਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

B.Voc. Food Processing(ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਿਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

। B.Voc. Auto-mobile (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਿਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

B.Voc. Software Development (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

B.Voc. Agriculture (ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

Course Outcome (CO)

/Elementary Punjabi

B.Sc. (Hons.) Chemistry, B.Sc. (Hons.) Math, B.Sc. (Hons.) Physics, B.Sc. (Hons.) CSM, B.Sc. (Hons.) Biotech., B.Sc. (Hons.) Agriculture, B.A. (Hons.) English, B.Com. (Hons.)

(ਸਮੈਸਟਰ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ)

1. ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਸਤੇ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਲਿਪੀ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਵਿਆਕਰਣਕ ਨਿਯਮਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਕਾਬਲ ਬਣਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਦੇ ਜ਼ਰੀਏ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸ਼ੁੱਧ ਉਚਾਰਨ ਕਰਨ ਅਤੇ ਇਸ ਨੂੰ ਪੜਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
3. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਲ ਕਰਨ ਅਤੇ ਉਸ ਦੀ ਰੋਜ਼ਾਨਾ ਜ਼ਿੰਦਗੀ ਵਿੱਚ ਵਰਤੋਂ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ 'ਚ ਛਪੇ ਵਿਗਿਆਪਨਾਂ ਨੂੰ ਪੜਨ ਅਤੇ ਖੁਦ ਤਿਆਰ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

ਪੰਜਾਬੀ ਸਾਹਿਤ (ਚੋਣਵਾਂ ਵਿਸ਼ਾ)

(ਸਮੈਸਟਰ ਪਹਿਲਾ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਸਮਾਜਿਕ ਵਰਤਾਰਿਆਂ ਨੂੰ ਵਧੇਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਨਾਵਲ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਭਾਸ਼ਾ ਅਤੇ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਸਾਹਿਤਿਕ ਗਿਆਨ ਦੁਆਰਾ ਵਿਦਿਆਰਥੀ ਪੱਤਰਕਾਰੀ ਅਤੇ ਹੋਰ ਸੰਚਾਰ ਦੇ ਖੇਤਰਾਂ ਵਿੱਚ ਰੁਜ਼ਗਾਰ ਹਾਸਲ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

(ਸਮੈਸਟਰ ਦੂਜਾ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਸਮਾਜਿਕ ਵਰਤਾਰਿਆਂ ਨੂੰ ਵਧੇਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਇਕਾਂਗੀ ਅਤੇ ਸਾਹਿਤ ਦੇ ਹੋਰ ਅਨੁਸ਼ਾਸਨਾਂ ਰਾਹੀਂ ਭਾਸ਼ਾ ਅਤੇ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਸਾਹਿਤਿਕ ਗਿਆਨ ਦੁਆਰਾ ਵਿਦਿਆਰਥੀ ਪੱਤਰਕਾਰੀ ਅਤੇ ਹੋਰ ਸੰਚਾਰ ਦੇ ਖੇਤਰਾਂ ਵਿੱਚ ਰੁਜ਼ਗਾਰ ਹਾਸਲ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

(ਸਮੈਸਟਰ ਤੀਜਾ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਮੱਧਕਾਲੀਨ ਧਾਰਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਮੱਧਕਾਲੀਨ ਕਾਵਿ ਸਾਹਿਤ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਕ ਜੀਵਨ ਨਾਲ ਜੁੜੇ ਪੱਖਾਂ ਦੀ ਸਮਝ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ ਜ਼ਿੰਦਗੀ ਪ੍ਰਤੀ ਸੰਜੀਦਾ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਨੂੰ ਅਪਣਾਉਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਮੱਧਕਾਲੀਨ ਕਿੱਸਾ, ਜੰਗਨਾਮਾ ਅਤੇ ਕਾਫ਼ੀ ਸਾਹਿਤ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਇਤਿਹਾਸਕ ਵਿਰਸੇ ਵਿਚੋਂ ਗੁਰੂਆਂ, ਪੀਰਾਂ, ਪ੍ਰੀਤ ਨਾਇਕਾਂ, ਸੂਰਬੀਰਾਂ ਅਤੇ ਯੋਧਿਆਂ ਦੇ ਆਦਰਸ਼ਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਵਰਤਮਾਨ ਵਿਚਲੇ ਸਮਾਜਿਕ ਜੀਵਨ ਨਾਲ ਸਮਾਯੋਜਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਆਧੁਨਿਕ ਕਥਾ ਕਹਾਣੀਆਂ ਰਾਹੀਂ ਸਮਕਾਲੀ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਧਾਰਮਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤਕ ਰੂਪਾਂ ਨੂੰ ਵੱਖੋ-ਵੱਖਰੇ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

(ਸਮੈਸਟਰ ਚੌਥਾ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਮੱਧਕਾਲੀਨ ਧਾਰਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਮੱਧਕਾਲੀਨ ਕਾਵਿ ਸਾਹਿਤ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਅਧਿਆਤਮਕ ਜੀਵਨ ਨਾਲ ਜੁੜੇ ਪੱਖਾਂ ਦੀ ਸਮਝ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ ਜ਼ਿੰਦਗੀ ਪ੍ਰਤੀ ਸੰਜੀਦਾ ਦ੍ਰਿਸ਼ਟੀਕੋਣ ਨੂੰ ਅਪਣਾਉਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਮੱਧਕਾਲੀਨ ਕਿੱਸਾ, ਜੰਗਨਾਮਾ ਅਤੇ ਕਾਫ਼ੀ ਸਾਹਿਤ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਇਤਿਹਾਸਕ ਵਿਰਸੇ ਵਿਚੋਂ ਗੁਰੂਆਂ, ਪੀਰਾਂ, ਪ੍ਰੀਤ ਨਾਇਕਾਂ, ਸੂਰਬੀਰਾਂ ਅਤੇ ਯੋਧਿਆਂ ਦੇ ਆਦਰਸ਼ਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਵਰਤਮਾਨ ਵਿਚਲੇ ਸਮਾਜਿਕ ਜੀਵਨ ਨਾਲ ਸਮਾਯੋਜਨ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਲੋਕਧਾਰਾ ਅਤੇ ਸਭਿਆਚਾਰ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਆਪਣੇ ਸਭਿਆਚਾਰ ਦੇ ਪ੍ਰਮਾਣਿਕ ਮਾਪਦੰਡਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਜੀਵਨ ਦੇ ਵੱਖ-ਵੱਖ ਪੜਾਵਾਂ ਤੋਂ ਸੋਧ ਪ੍ਰਾਪਤ ਕਰਦਾ ਹੋਇਆ ਇਕ ਸਭਿਅਕ ਜੀਵਨ ਨੂੰ ਜਿਊਣ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
5. ਆਲੋਚਨਾਤਮਕ ਸੰਕਲਪਾਂ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤਕ ਰੂਪਾਂ ਨੂੰ ਵੱਖੋ-ਵੱਖਰੇ ਆਲੋਚਨਾਤਮਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣਾਂ ਤੋਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

(ਸਮੈਸਟਰ-ਪੰਜਵਾਂ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਆਦਿਕਾਲੀਨ ਧਾਰਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਨਾਥ-ਜੋਗੀ ਸਾਹਿਤ ਅਤੇ ਗੁਰਮਤਿ ਸਾਹਿਤ ਵਿਚਲੀਆਂ ਪੇਸ਼ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਦਾ ਹੋਇਆ ਇਸਨੂੰ ਸਮਝਣ ਅਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ।
3. ਵਿਦਿਆਰਥੀ ਨਾਟਕ ਦੀ ਵਿਧਾ ਰਾਹੀਂ ਸਮਾਜ ਦੇ ਵੱਖ-ਵੱਖ ਸਰੋਕਾਰਾਂ ਅਤੇ ਭਾਸ਼ਾ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਕਾਵਿ ਰੂਪਾਂ ਰਾਹੀਂ ਧਾਰਮਿਕ ਬਿਰਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਨਾਲ-ਨਾਲ ਦੁਨਿਆਵੀ ਅਤੇ ਸਦਾਚਾਰਕ ਜੀਵਨ-ਜਾਚ ਨੂੰ ਸਿੱਖਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।

(ਸਮੈਸਟਰ-ਛੇਵਾਂ)

Course Outcome (CO)

1. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਆਦਿਕਾਲੀਨ ਧਾਰਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
2. ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਨਾਥ-ਜੋਗੀ ਸਾਹਿਤ ਅਤੇ ਗੁਰਮਤਿ ਸਾਹਿਤ ਵਿਚਲੀਆਂ ਪੇਸ਼ ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ ਪ੍ਰਸਥਿਤੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ ਇਸਨੂੰ ਸਮਝਣ ਅਤੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
3. ਵਿਦਿਆਰਥੀ ਸਵੈ-ਜੀਵਨੀ ਦੀ ਵਿਧਾ ਰਾਹੀਂ ਜੀਵਨ ਵਿਚ ਕੀਤੇ ਜਾਣ ਵਾਲੇ ਸੰਘਰਸ਼ਾਂ ਤੋਂ ਜਾਣੂ ਹੋ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
4. ਵਿਦਿਆਰਥੀ ਗੁਰਮਤਿ ਕਾਵਿ ਰੂਪਾਂ ਰਾਹੀਂ ਧਾਰਮਿਕ ਬਿਰਤੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਨਾਲ-ਨਾਲ ਦੁਨਿਆਵੀ ਅਤੇ ਸਦਾਚਾਰਕ ਜੀਵਨ-ਜਾਚ ਸਿੱਖਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
5. ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨਾਲ ਸੰਬੰਧਤ ਮੂਲ ਸੰਕਲਪਾਂ ਬਾਰੇ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਪ੍ਰਤੀ ਅਲੋਚਨਾਤਮਕ ਪਹੁੰਚ ਅਪਣਾਉਣ ਦੇ ਕਾਬਲਿ ਹੁੰਦੇ ਹਨ।

Department of Religious Studies LEARNING OUTCOMES

Program Outcome: The Department of Religious Studies offers systematic and academic study of Religion. The main objective of this program is to provide the knowledge of various religions and their scriptures. Students will understand different religious traditions and their belief systems. This will inculcate the feeling of co-existence, peace and harmony among them. Students will develop a sophisticated appreciation for the complexity of religious cultures and communities through this program.

Program Specific Outcome (PSO 1)

The students of religious studies will have meaningful opportunity to understand the Indian religious traditions, their origin, development, beliefs and teachings. They will develop a sophisticated perspective of

different religions, which will instill a feeling of communal harmony and respect for other religions among them.

Course Outcome I (CO-I)

Upon successful completion students will be able to:

1. Understand the historical background, teachings and beliefs of Hinduism, Jainism and Buddhism.
2. Understand the religious rites (Birth, Initiation, Marriage and Death) of these religions.
3. Understand the concept of Karma and Moksha in these religions.

Course Outcome II (CO-II)

Upon successful completion students will be able to:

1. Understand the origin and development of Sikhism.
2. Become familiar with Sikh Scripture (Sri Guru Granth Sahib ji) and other Sikh sources.
3. Understand the martyrdom tradition and main Institutions of Sikhism.

Program Specific Outcome (PSO 2)

The students will have meaningful opportunity to understand the religions of Semitic tradition, their origin, development, beliefs and teachings. They will also become familiar with different religious movements of India and Punjab and their impact of society.

Course Outcome III (CO-III)

Upon successful completion students will be able to:

1. Become familiar with the historical background of Semitic religions.
2. Understand the life and struggle of Semitic Prophets.
3. Learn and understand the teachings and Scriptures of Semitic Religions.

Course Outcome IV (CO-IV)

Upon successful completion students will be able to:

1. Become familiar with the origin and development of Bhakti and Sufi movement.
2. Understand the life and struggle of famous personalities of Bhakti and Sufi movement.
3. Understand the origin and development of 19th century prominent religious movements of India and Punjab.
4. Understand religious and social impact of these movements.

Program Specific Outcome (PSO 3)

1. Students will be able to understand the origin of religion and relation of religion with other disciplines. Simultaneously students will comprehend the modern world problems and solution of them from religious perspective.
2. Students will understand the main text and meaning of Gurbani. Moreover they will learn about philosophical concepts of Sikhism and the Sikh response to modern world problems.

Course Outcome V (CO-V)

Upon successful completion students will be able to:

1. Clearly understand the meaning, definition and origin of religion (through different theories).
2. Become familiar with the relationship of religion with philosophy, ethics and sociology.
3. Understand the current, social and religious problems and their solutions.
4. Understand the objective of religion on Individual and social level.

Course Outcome VI (CO-VI)

Upon successful completion students will be able to:

1. Become familiar with Main Bani's (text) of Sri Guru Granth Sahib ji.
2. Understand the basic philosophical concepts of Sikhism.
3. Understand the Sikh response of modern world problems and distinctiveness of Sikh thought.

Certificate course in Sikh Studies (120 hours)

Program Outcome: This course will encourage the students to understand the history and basic concept of Sikhism. Students having different religious background will get an opportunity to experience the essence of Sikhism. Hence, it would be an eye opening experience which will encourage the students to live their life according to the basic principles of Sikhism.

Course Outcome

Upon successful completion students will be able to:

1. Become familiar with the life and teachings of Ten Gurus and other influential historical Sikh personalities.
2. Understand the Main Bani's (text) of Sri Guru Granth Sahib ji.
3. Understand the basic concepts and institutions of Sikhism.

Scope of the Course: Learning about the Sikh way of life and how it has been understood over time is more important today than before. This course will initiate the students to learn about Sikh way of life

which will make them a loving and responsible human being. This particular course will also assist the students to opt the subject of Sikh studies for future research. Also it would be beneficial in acquiring jobs in religious organizations.

MBA (LD)-I

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

1. To implement leadership skills to work effectively within diverse teams.
2. To identify and analyze ethical responsibilities of businesses.
3. To apply decision-making techniques, both quantitative and qualitative analysis, to management issues.
4. To embrace the risks and opportunities that accompany new leadership roles.
5. Help the students to understand the persona of visionary leaders and to develop those qualities in order to grow throughout the career.

MBA PROGRAMME OUTCOMES (PO)

On successfully completing the program the student will be able to:

1. Demonstrate leadership skills
2. Integrate tools and concepts from multiple functional areas (i.e. finance, marketing, operations, etc.) to solve business problems
3. Identify business opportunities, design and implement innovations in work space.
4. Evaluate and integrate ethical considerations when making business decisions

PROGRAM SPECIFIC OUTCOMES (PSO)

1. To apply the fundamental knowledge of management domains to optimally solve the complex business problems.
2. To inculcate the ability in students to gain multidisciplinary knowledge through simulated problems, case analysis, projects and industrial training.

To develop competent management professionals with strong ethical values with an understanding of societal and ecological issues relevant to professional managerial practice through life-long learning.

SEMESTER-I

MBA (LD) 101: MANAGEMENT PRACTICES

Course Objective

The objective of this course is to introduce the students to the basic concepts and techniques of Management.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Understand fundamental concepts and principles of management.

CO 2: Learn the basic roles, skills and functions of management.

CO 3: Familiarize with interactions between the environment, technology, human resources and organization in order to achieve high performance.

CO 4: Gain conceptual knowledge about the different functions of management.

CO 5: Recognize the importance of employee motivation and leadership skills through the various concepts and theories.

MBA (LD) 102: THEORY AND PRACTICE OF LEADERSHIP

Course Objective

The course will provide an in-depth understanding of the leadership and its relation with the various facets of the organization at individual, group and macro levels. It will also help to develop the capacity to perceive clearly the various tactics that the others use to influence in order to achieve their objective.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Gain a greater understanding of their own personal identities and how their identities shape their leadership and followership.

CO 2: Examine their own and others intrinsic and extrinsic motivation as leaders.

CO 3: Imbibe the different styles of leadership into their personality.

CO 4: Understand the leadership practices in various work environment.

CO 5: Develop the understanding and awareness of leadership style.

MBA (LD) 103: ECONOMICS FOR LEADERS

Course Objective

The course will help students sharpen their analytical abilities in integrating strategic management decision in a comprehensive manner and strategic thinking will introduce students to the theory and practice of strategic planning, a collection of principles and techniques applicable to the management

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Understand how markets organize core economic activities such as production, distribution,

consumption and growth of productive resources.

CO 2: Apply economic theories and methodologies in analyzing issues in various sub-fields of microeconomics and management.

CO 3: Demonstrate a basic understanding of operation of a modern economy.

CO 4: Develop clear understanding of the concept of trade cycle and other market functions.

CO 5: Learn the aggregates and provide overall idea about national economic policies and its implications.

MBA (LD) 104: FUNDAMENTALS OF ACCOUNTING AND FINANCE

Course Objective

The objective of the course is to familiarize the students with basic accounting mechanics, process and system. The course will lay a foundation for developing student's skills in interpreting financial statements

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Be competent in relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.

CO 2: Critically evaluate financial statement information and compare different investments.

CO 3: Be well versed with accounting terminology and its methods.

CO 4: Develop an understanding of cost of capital and capital budgeting.

CO 5: Understand the foundation of financial management and its objectives.

MBA (LD) 105: WORKSHOP ON COMPUTER APPLICATIONS IN BUSINESS

Course Objective

To introduce students to the use of Computer based applications in Business for documentation and making reports required in the Business World.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: apply computer theoretical concepts and skills to solve business problems.

CO 2: create word document, excel book.

CO 3: make power point presentations in their day to day business applications.

CO 4: Understand the basic commands of windows.

CO 5: Design templates by using various functions of PowerPoint presentations.

MBA (LD) 106: WORKSHOP ON MANAGEMENT SKILLS-I

Course Objective

The workshop will aim to enhance the personal skills as well as communication skills of the students. It will prepare the course participants for leadership positions in the organizations.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Develop and nurture a deep understanding of personal motivation and professional responsibility.

CO 2: Learn to balance confidence and humility.

CO 3: Get knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment.

CO 4: Employ critical-thinking and analytical skills to investigate complex business problems to propose viable solutions.

CO 5: Understand the business operations from a system perspective with knowledge of management, marketing, finance, information systems and accounting.

MBA (LD) 107: SEMINAR ON BUSINESS AND LEADERSHIP ISSUES-I

Course Objective

The objective of the course is to help the students to acquire the basics of National Level Business and Leadership issues faced by the corporate world.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Have a thorough knowledge of the latest theoretical and practical advancements in the field of business and leadership.

CO 2: Develop an overall understanding of current and future trends in business.

CO 3: Identify and analyze business problems and opportunities in global political, social and technological environments.

CO 4: Learn the current issues related to business, environment, trade and sports etc.

CO 5: Understand the concept of COVID-19 and its implications.

Semester-II

MBA (LD) 201: HUMAN RESOURCE MANAGEMENT

Course Objectives: Upon completion, the student should be able to indicate and explain various human

resource management interventions that may be required when dealing with the work environment, people, and problems.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: contribute to the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes.

CO 2: administer and contribute to the design and evaluation of the performance management program.

CO 3: Provide innovative solutions to problems in the fields of HRM.

CO 4: Develop necessary skills to prepare human resource policy to enable the employees to attain work life balance.

CO 5: Evaluate HRM related social, cultural, ethical and environmental responsibilities and issues in a global context.

MBA (LD) 202: MARKETING MANAGEMENT

Course Objective

The objective of this course is to develop the ability in the students to define and analyze the marketing problems through the formulation of marketing objectives, policies, programmes and strategies.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Understand fundamental marketing concepts, theories and principles in areas of marketing policy and consumer behavior.

CO 2: Learn about product, distribution, promotion and pricing decisions.

CO 3: Understand the role of marketing as a fundamental organizational policy process.

CO 4: Evaluate the marketing function and its role in achieving organizational success both in commercial and non-commercial settings.

CO 5: Explore the various pricing strategies and the emerging issues in marketing.

MBA (LD) 203: BUSINESS STATISTICS AND RESEARCH METHODS

Course Objective

The objective of this course is to have a general understanding of Research Methodology and Statistics as applicable to Business Management and its use and relevance in areas of Management Research. While mathematical material will be covered, the major goal is for the students to develop a set of skills and tools which will be important in their management careers.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: apply an advanced understanding of business research design options, methodologies.

CO 2: analysis methods (both qualitative and quantitative), including respective terms, definitions and applications to the design.

CO 3: implementation and evaluation of a research project.

CO 4: Understand the scope and functions of statistics.

CO 5: learn about the types and methods of co-relation for experiential learning.

MBA (LD) 204: STRATEGIC LEADERSHIP

Course Objective

The course will examine the various personal and organizational challenges and at the same time also indicating ways of coping with these changes.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: describe the strategic management process and the nature of strategy formulation, implementation and evaluation activities.

CO 2: describe the benefits of good business in strategic management.

CO 3: Be introduced to tools aligned with growing skills in each component of the strategic thinking model.

CO 4: Learn about the concept, process of change and its management.

CO 5: To equip the students to proactively manage the conflict and its resolution.

MBA (LD) 205- WORKSHOP ON E-BUSINESS

Course Objective

This course introduces students to various aspects and models for e-business. Students should also become aware of the global nature of e-commerce and how traditional means of doing business will need to change in the electronic age.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: understand the foundations and importance of E-commerce.

CO 2: to get knowledge about retailing in E-commerce by analyzing branding and pricing strategies, using and determining the effectiveness of market research.

CO 3: Understand the basic concepts and technologies used in the field of management information systems.

CO 4: Be aware of the ethical, social, and security issues of information.

CO 5: Have a broad understanding of the CRM, CMS and e- Security.

MBA (LD) 206: WORKSHOP ON MANAGEMENT SKILLS-II

Course Objective

The work shop will aim to enhance the inter-personal skills as well as group skills of the students. It will prepare the course participants for leadership positions in the organizations.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: work in teams and lead the organization in an effective way.

CO 2: imbibe all the attributes of good leaders and prepare themselves for the leadership positions in the organization.

CO 3: develop a comprehensive set of practical skills and tools to rely on through leadership practice.

CO 4: Learn to balance confidence and humility.

CO 5: Get knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment.

MBA (LD) 207: SEMINAR ON BUSINESS AND LEADERSHIP ISSUES-II

Course Objective

The objective of the course is to introduce the students with various current international business and leadership issues.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: critically analyze various sources of information related to international business.

CO 2: use such information to find new solutions and deal with challenges.

CO 3: analyze existing theories and models in the field of international business and link them to real life situations.

CO 4: Learn the current issues related to business, environment, trade and sports etc.

CO 5: Understand the concept of COVID-19 and its implications.

MBA (LD): WORKSHOP ON MANAGEMENT SKILLS (Optional)

Course Objective

The work shop will aim to enhance the inter-personal skills as well as group skills of the students. It will prepare the course participants for leadership positions in the organizations.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: work in teams and lead the organization in an effective way.

CO 2: imbibe all the attributes of good leaders and prepare themselves for the leadership positions in the organization.

CO 3: develop a comprehensive set of practical skills and tools to rely on through leadership practice.

CO 4: Learn to balance confidence and humility.

CO 5: Get knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment

Semester III

MBA (LD) 301- CROSS CULTURAL LEADERSHIP

Course Objective:

The objective of this course is to help students to understand leadership in organizations at cross cultural level so that they improve their managerial effectiveness.

Course Learning Outcome: After completing the course, the students shall be able to:

CO1: Critically analyze diverse *cultures*, *cross-cultural* communication and the uses of authority between groups.

CO2: Demonstrate an integrative understanding of the ethical and social issues in cross-cultural management and negotiation.

CO3: Identify the key issues raised by international business cases in cross-cultural management.

MBA (LD) 302- PROJECT MANAGEMENT

Course Objective:

The objective of this course is to impart knowledge, skills, tools and techniques involved in carrying out project activities so as to ensure that projects are delivered within budget and schedule.

Course Learning Outcome:

After completing the course, the students shall be able to:

CO1: Complete in depth professional and experimental learning of Project Management.

CO-2: Enhancing Critical and problem-solving skills among students.

CO-3: Analyze, apply and appreciate contemporary project management tools and methodologies in Indian context.

MBA (LD) 303- SEMINAR ON SUMMER TRAINING PROJECT REPORT

Course Objective:

The objective of the seminar is to appraise the students regarding the various practical aspects relating to industries.

Course Learning Outcome:

After completing the course, the students shall be able to:

CO 1: This course will give them working hands in corporate world.

CO2: this course will give students a platform to enhance their presentation skills.

MBA (LD) 304- VIVA ON SUMMER TRAINING PROJECT REPORT

Course Objectives:

The comprehensive viva voce is scheduled at the end of the semester in order to judge the understanding as well as application of the knowledge gained by the students while pursuing the industrial project. This is also to see the articulation of what is being learnt by them.

MBA (LD) 305- ADVERTISING AND SALES MANAGEMENT

Course Objective:

The objective of the course is to make students familiar with the importance of advertising and promotional activities in current business environment and the role played by sales promotion and communication on growth of business.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO1: Students will get disciplinary knowledge of advertising along with growing importance of creativity in Ads in today's competitive world.

CO2: The course enables the students to develop communication and critical thinking skills

CO3: Students will be equipped with professional skills required to motivate and train the sales force and enhance their productivity.

MBA (LD)-306 – MARKETING OF SERVICES

Course Objective: The objective of this course is to supplement basic marketing and marketing strategy courses by focusing on problems and strategies specific to marketing of services. Problems commonly encountered in marketing services -- such as inability to inventory, difficulty in synchronizing demand and supply, difficulty in controlling quality -- will be addressed. Strategies used by successful services marketers to overcome these difficulties will be discussed.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Students will gain in depth knowledge and understanding of service marketing concepts

CO 2: They will develop moral and ethical awareness on the components of the "services marketing mix".

CO 3: Students will develop problem solving skills in providing better customer service.

CO 4: Students will develop research as well as experimental learning of service marketing principles to help identify and solve service marketing problem.

MBA (LD)-307 – MANAGEMENT OF INDUSTRIAL RELATIONS

Course Objective:

The objective of the course is to enable the students to understand the concept of Industrial relations and Industrial Conflict. The course will help students to thoroughly understand the concept of Collective Bargaining, Trade Unions and how to handle grievances. Various industrial laws will also be discussed.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO1: Develop an understanding of industrial relations institutions such as employer associations, labour market, trade unions and industrial tribunals; principles of employment law; practical skills in negotiation, advocacy and workplace bargaining;

CO 2: Critically analyze industrial relations and apply exemplary decision-making skills to achieve industrial cooperation.

CO 3: Demonstrate moral and ethical reasoning while handling grievance mechanism.

MBA (LD)-308 – HUMAN RESOURCE PLANNING AND DEVELOPMENT

Course Objective:

The objective of the course is to familiarize the students with the basic concepts, tools and techniques of work study and to train them in application of human resource planning techniques. The course introduces students to processes of planning and implementing organizational training systems, assessing educational and developmental needs of employees.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Exhibit professional knowledge while deciding tools and techniques required for organizational human resource planning.

CO 2: Learn the basic concepts of Human resource development, different approaches to HRD, HRD styles, structures and competencies

CO3: Critically analyze and manifest leadership qualities while implementing HRD techniques in organizations..

MBA (LD)-309 – MANAGEMENT OF FINANCIAL INSTITUTIONS

Course Objective:

Institutional investors. The functions and purposes of such institutions are analyzed.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Equip students with an understanding of the financial system, its constituents, the principles on which it operates, inter-linkages and regulatory concerns.

CO 2: Understanding the concept of Microfinancing and NBFCs.

CO 3: Understand the types of risk prevailing in financial markets

MBA (LD)-310 – FINANCIAL SERVICES AND MARKETS

Course Objective:

The course aims at providing the students, basic knowledge about the Finance concepts, markets and various services provided in those markets. The syllabus is structured in a way which provides adequate information about the roles of intermediaries and its regulating bodies. The course also provides information about the prevailing financial system in India.

Course Learning Outcome: After completing the course, the students shall be able to:

CO 1: Understand the role and function of the financial system in the economy.

CO 2: Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.

CO 3: Evaluate and create strategies to promote financial products and services.

SEMESTER IV

MBA (LD)-401 – STRATEGIC MANAGEMENT

Course Objective:

The course emphasizes the value and process of strategic management. In addition to familiarizing students with new subject matter, students are expected to integrate and apply their prior learning to strategic decision making in organizations.

Course Learning Outcome: After completing the course, the students shall be able to:

CO 1: Understand the strategic decisions that organizations make and have an ability to engage in strategic planning.

CO 2: Explain the basic concepts, principles and practices associated with strategy formulation and implementation.

CO3: Identify the internal and external factors affecting the strategic management process by understanding the Environmental scanning techniques

CO4: Comprehend the Strategic options at Corporate Level, Business Level and Functional Level

MBA (LD)-402 – LEADERSHIP FOR INNOVATORS

Course Objective:

The course provides a clear understanding of concepts of innovation and its framework. The subject is integrating innovation with leadership, giving a firm grasp on the nature of innovation and how students can build new and innovative ideas.

Course Learning Outcome: After completing the course, the students shall be able to:

CO 1: Develop and demonstrate the capacity to reflect on their leadership behaviour, leading effective and ethical change.

CO 2: Improving learning and life outcomes require true innovation.

CO3: Recognize the benefits which innovation can confer on an innovating organisation.

MBA (LD)-403 – SEMINAR ON BUSINESS ETHICS AND VALUES

Course Objective:

The course will help the students understand the significance of ethics and values and the importance of practicing ethics and be socially responsible

Course Learning Outcome: After completing the course, the students shall be able to:

CO 1: Demonstrate knowledge of ethical reasoning and ethical theory.

CO 2: Identify ethics issues in business involving integrity, objectivity, and independence. CO 3: Interpret ethics rules as related to specific business situations..

MBA (LD)-404 – MAJOR PROJECT ON CURRENT BUSINESS ISSUES

Course Objective:

The scope of the major project execution is to give the students the knowledge, skills and tools they need to grow in the current competitive business environment.

Course Learning Outcome: After completing the course, the students shall be able to:

CO1: The course will help students to face various business challenges by learning through current business issues.

CO2: They will understand the role of the leader and his or her team in shaping organizational architectures in service of their organization's strategy.

MBA (LD)-406 RETAIL MARKETING

Course Objective

The objective of this course is to provide an in-depth understanding of retail marketing, building sustainable relationship, buyer behaviour, SCM and store maintenance and inventory management.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO1: Evaluate current retailing trends based on consumer, legal and competitive environments.

CO2: Develop lifelong learners in various retail opportunities and evaluate the strategies associated with each type of opportunity.

CO3: Develop decision making skills to characterize the factors and management tools that retailers consider and use when developing their merchandise mix.

MBA (LD)-407 – CONSUMER BEHAVIOUR AND CUSTOMER ENGAGEMENT

Course Objective

The course will help students develop an understanding of consumer behavior theories and apply this understanding in a marketing decision making context. Identify the multitude of factors influencing consumers so that each of us will be able to apply this knowledge to improve market strategy. It will also develop an awareness of consumer behavior and students will be able to gain firsthand knowledge of consumer behavior and decision making.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Students will develop in depth knowledge of concepts of consumer behavior.

CO 2: Develop application and professional skills to be applied in field of consumer behavior. CO 3: Display critical thinking and problem-solving skills..

MBA (LD)-408 –WORKSHOP ON DIGITAL MARKETING

Course Objective:

The objective of the course is to familiarize students to the concept of digital marketing. The course exposes the students to a strategic approach to digital marketing and various techniques used in it. It focuses on the digital environment, online buying behavior and the social media. It makes the students aware of marketing programs and strategies in the era of online relationship marketing.

Course Learning Outcome: After completing the course, the students shall be able to:

CO1: Identify the importance of the digital marketing for marketing success,

CO2: Students will develop communication skills to manage customer relationships across all digital channels and build better customer relationships.

MBA (LD)-409 – MANAGEMENT OF TRAINING AND DEVELOPMENT

Course Objective:

The objective of the course is to impart knowledge of training and development techniques prevalent in business. To study the importance and implications of management development programmes.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Explain the role of training and development in human resources management.

CO 2: Analytical reasoning and problem solving in respect to human resource management.

CO 3: Scientific reasoning while deciding training and development needs of human resources. **MBA (LD)-**

410 – PSYCHOLOGY FOR LEADERS

Course Objective:

The objective of the course is to develop a diagnostic and conceptual understanding of psychology in leading the organization. Psychology plays an important role in the field of leadership and thus this course designed will help the students in learning various psychological parameters

Course Learning Outcomes: After completing the course, the students shall be able to:

CO1: The students will be able to identify key skills and abilities which are required for effective leadership

CO2: They will have an informed view about potential biases in recruitment and development practice, and how to overcome this.

MBA (LD)-411 –WORKSHOP ON DEVELOPING HUMAN CAPITAL

Course Objective:

The workshop will enhance the practical aspects of developing human capital with the help of case studies, role play and lectures. The students will gain insights into the HR operations and its impact on the functioning of a business. The students will be able to use their knowledge to make more effective decisions in the field

of human resource management.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Students will learn to develop application skills, and evaluate employee orientation, training, and development programs.

CO 2: It will help them to learn how to research, support, develop and communicate organization's plan.

MBA(LD)-412 –ENTREPRENEURIAL FINANCE

Course Objective:

The course focuses on financing decisions of entrepreneurs identifying and valuing entrepreneurial business opportunities and as well as how and from whom entrepreneurs raise funds.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: This course will enhance students' understanding of the dynamic challenges faced by entrepreneurial ventures in securing financial backing to support future growth and development.

CO 2: They will understand the financial resources of how an entrepreneurial firms monitor, as well as, demonstrate critical thinking of issues related to the sale of an entrepreneurial firm.

MBA (LD)-413 –WORKING CAPITAL MANAGEMENT

Course Objective:

The course will enable the student to manage activities in the area of working capital in an enterprise and help the students to do advance study in the field of financial-management through detailed analysis of financial statements, liquidity crises, cash optimization, credit analysis etc. The student will learn how to apply sound techniques for managing inventory.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Evaluate comparative working capital management policies and their impact on the firm's profitability, liquidity, risk and operating flexibility.

CO 2: Evaluate the importance of effective working capital management and its role in meeting the firm's strategic objectives and its impact in value creation.

MBA (LD)-414 –WORKSHOP ON FINANCIAL FUNDAMENTALS

Course Objective:

The workshop will enhance the financial awareness, ability to manage their business, profits and cash. The students will be able to use their financial knowledge to make more effective decisions in the field of finance.

Course Outcome: After completing the course, the students shall be able to:

CO1: This course will enhance their professional skills towards the financial awareness, Analytical reasoning to take financial decisions.

CO2: They will understand the fundamental concepts of finance, financial markets and market participants, application of valuation techniques of financial instruments, and working knowledge of portfolio management

SCHOOL OF COMMERCE AND MANAGEMENT

MASTERS OF COMMERCE

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- Graduate students will be able to pursue career in teaching and for advanced studies.
- Understand commerce in multifunctional areas like Banking and Finance, Auditing and taxation.
- Be recognized for quantitative, qualitative, cognitive and analytical skills to identify, analyze, design and create business opportunities in a dynamic environment
- Contribute to the creation, transmission and application of knowledge in the field of Commerce and other related fields adapting to a rapidly changing environment.
- Acquire in-depth knowledge of Commerce discipline, including wider and global perspectives, with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge, and integration of the same for enhancement of knowledge.

PROGRAM OUTCOMES (PO) PG

- M.Com is a career oriented professional programme which prepares one to start a business of his/her own in the capacity of an entrepreneur.
- This programme inculcates business skills in students and acquaints them with recent trends in Commerce and Management.
- Along with skill enhancement and knowledge acquisition it develops analytical, interpretative and presentation skills regarding research in Commerce and Management.

PROGRAM SPECIFIC OBJECTIVES (PSO)

From this course the students will gain knowledge regarding:

- The business and the techniques of managing the business with special focus on Business Management, Financial Management and Business Economics.
- The presentation and communication skills through Seminars and Workshops

- The computer literacy and its applicability in Business.
- The awareness in application oriented research by using statistical techniques in Business Decisions.

Semester-I

MCOM 101: BUSINESS MANAGEMENT

Course Objective: The objective of this paper is to familiarize the students with the management concepts and techniques in business organizations.

Course Learning Outcomes:

After completion of this course the students shall be able to:

- CO1: Understand the concept, evolution and functions of business management
- CO2: Assess the application of management theories in real life decision making
- CO3: Analyze the significance of management process
- CO4: Gain the conceptual knowledge regarding planning, organizing, staffing and directing
- CO5: Analyze various motivation theories to augment leadership qualities.

MCOM 102: CORPORATE FINANCIAL ACCOUNTING

Course Objective: This paper will enable the students to identify and analyze the developments of contemporary and emerging accounting issues.

Course Learning Outcomes:

After completion of this course the students shall be able to:

- CO1: Develop understanding about the concepts of corporate financial accounting
- CO2: Compare the importance of Generally Accepted Accounting Principles in relation to IFRS
- CO3: Describe the main elements of Price level changes and forensic accounting in accounts of companies
- CO4: Understand the Reporting practices of corporations in meeting the needs of Users
- CO5: Describe the current environmental and social issues and associated problems in company accounts

MCOM 103: BUSINESS ECONOMICS

Course Objective: The main objective of this paper is to understand the basic economic principles essential for making business decisions in today's global economy.

Course Learning Outcomes:

After completion of this course the students shall be able to:

- CO1: Discuss the relationship of business and economics
- CO2: Analyze the economic functionality from micro level
- CO3: Observe the operations of markets under varying competitive conditions and prices
- CO4: Gain knowledge regarding core economic terms, theories, laws and principles.
- CO5: Apply economic theories and principles to provide solution to a number of real-life business issues.

MCOM 104: FINANCIAL MANAGEMENT

Course Objective: The main aim of this paper is to equip participants with requisite financial skills required for the solution of managerial problems.

Course Learning Outcomes:

After completion of this course the students shall be able to:

- CO1: Understand the core concepts and techniques in financial management
- CO2: Understand how corporations make important investment and financing decisions
- CO3: Ability to allocate funds to the most attractive investment opportunities
- CO4: Analysis of working capital needs of the company
- CO5: Understand the process of a determining firm's optimal cash payout policy

MCOM105: WORKSHOP ON COMPUTER APPLICATIONS IN BUSINESS

Course Objective: To provide students with the basic computer knowledge and skills required to obtain an understanding of computer hardware, software, networks.

Course Learning Outcomes:

After completion of this course the students shall be able to:

- CO1: Gain knowledge regarding fundamentals of computer
- CO2: Understand the working of memory system and MS windows
- CO3: Learn e-commerce application with help of internet
- CO4: Develop and sharpen understanding regarding MS word and MS excel application in business
- CO5: Establish an understanding and perspective regarding preparation and presentation with the help of MS power point

MCOM106: SEMINAR ON CURRENT BUSINESS ISSUES

Course Objective: To enhance student's knowledge by exploring various current issues related to business environment and also to enhance their presentation skills on respective theme.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Learn and understand the factors behind the success stories of various organizations

CO2: Understand the trends of changing scenario of business world

CO3: Explore the latest technologies in business

CO4: Critically examine various scams in corporations

CO5: Gain lifelong learning about the better ways to manage the business

CO6: Face various business challenges by learning through current business issues.

SEMESTER-II

MCOM201: ACCOUNTING FOR MANAGERIAL DECISIONS

Course Objective: To impart knowledge and skills considered essential for managers to operate successfully in the dynamic world. To imbibe the student with fundamental understanding of managerial accounting and how it assists an organization's management team in the overall management process.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Understand the managerial aspects of accounting to make effective decisions

CO2: Analyze financial statements, fund flow and cash flow statements

CO3: Illustrate various management tools for effective decision making.

CO4: Determine budgeting for profit planning and control for analytical reasoning

CO5: learn ratio and break-even analysis for taking corrective measures in business management for problem solving.

MCOM202: FINANCIAL INSTITUTIONS AND MARKETS

Course Objective: To analyze the role of a financial system in the development of an economy by understanding various constituents of a country's financial system and debate on whether and how each of these constituents should work together to have the right influence on the economy.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Understand the components and structure of financial system in India

CO2: Gain Knowledge regarding financial regulators in India

CO3: Learn workings of stock exchange as well as money and capital markets of India

CO4: Analyse role of financial institutions in economic development

CO5: Research and analyze specific problems or issues related to financial markets and institutions.

MCOM 203: RESEARCH METHODOLOGY AND STATISTICAL TECHNIQUES

Course Objective: The general objective of this paper is to introduce students to methods of research. To introduce students to many of the technical aspects of how to do empirical research using some of the main data collection and analysis techniques.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Gain knowledge regarding basis of Research and Statistics

CO2: Understand the methods of data collection, analysis and interpretation

CO3: Apply critical thinking and scientific approaches to formulate research problems.

CO4: Devise and identify research design approaches, methods to address specific research question

CO5: Understand relevant statistical software in order to apply parametric and non-parametric test to analyze data and draw inferences.

MCOM 204: BUSINESS ENVIRONMENT

Course Objective: To study the Business Environment that can provide all the information needed for taking good business decisions and scan businesses through Business Environment

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Understand the various environment factors

CO2: Interpret and apply techniques of environment scanning

CO3: Analyse the different types of environment

CO4: Develop an understanding about international business environment

CO5: Understand about FDI and working of MNCs

MCOM 205: WORKSHOP ON RESEARCH METHODOLOGY

Course Objective: This course aims to impart practical knowledge regarding Data Analysis and Interpretation using Software Packages (Microsoft Excel and SPSS). This course will also make the students able to use these Software Packages in Business, Industry, Education and health sectors.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Learn the practical application and use of the science of statistics to make better business decisions.

CO2: Analysis techniques, which aid modern managers to take wiser and surer decisions, within a competitive environment.

CO3: Outline the significance of research methodology and Analyses the Problems in conducting research

CO4: Collect and tabulate required primary and secondary data using Software Packages for analysis purpose

CO5: Describe and Interpret Basic Descriptive Statistics.

MCOM 206: SEMINAR ON CORPORATE GOVERNANCE AND BUSINESS ETHICS

Course Objective: To provide knowledge sharing platform for students about Corporate Governance and Business Ethics and also to enhance their presentation skills on respective theme.

Course Learning Outcomes:

After completion of this course the students shall be able to:

CO1: Understand the things directors need to know to provide good governance

CO2: Learn to appreciate the value both shareholder and other stakeholders' rights and responsibilities

CO3: Identify ethics issues in business involving integrity, objectivity, and independence.

CO4: Recognize different ethical issues with the help of case studies

CO5: Ability to implement best practices on corporate governance

Basic Accounting and Tally Prime

Course Objective: The student will be able to acquire conceptual knowledge of principles and theory of the financial accounting and develop skills for recording various kinds of business transactions with the help of accounting software.

Course Learning Outcomes: After this course, the students shall be able to:

CO1: Understand the meaning and identify the scope and utility of accounting in an information system.

CO2: Comprehend various accounting principles and their implications while accounting.

CO3: Apply critical thinking and develop computing skills while handling problems in financial accounting.

CO4: Gain knowledge regarding the concept of computerised accounting and its development

CO5: Enhance their practical knowledge regarding preparation of books of accounts with the help of Prime software and learn to Generate and Print results in the form of accounting reports and statements

SEMESTER-III

MCOM 301: STRATEGIC COST MANAGEMENT

Course Objective: The objective of this course is to provide students the adequate knowledge of modern cost management techniques and to enable them apply these techniques for managing a profitable and competitive enterprise.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Develop conceptual knowledge of strategic cost management and methods.

CO2: Learn the application skills regarding strategic and contemporary cost management.

CO3: Gain familiarity regarding implementation of contemporary cost management and its uses.

CO4: Understand the key concept of Kaizen costing and Procedure for Implementation.

CO5: Acquaint themselves about the process of cost management and performance evaluation

MCOM 302: CORPORATE LEGAL FRAMEWORK

Course Objective: To acquire knowledge and develop understanding of the regulatory framework of companies with reference to various provisions of the Companies Act, 2013 and other corporate laws.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Gain knowledge regarding detailed provisions of Companies Act 2013.

CO2: Familiarise themselves with the moral and ethical awareness regarding provisions of Consumer Protection Act

CO3: Develop lifelong learning and professional skills related to SEBI

CO4: Acquire research related skills regarding corporate laws with the help of case study

CO5: Understand the disciplinary knowledge about the Competition Act 2002, FEMA act 1999 and Information technology act 2000

MCOM 303: DIRECT TAX LAWS

Course Objective: To familiarize and update the students with the basic principles of taxation, Structure of Indian Taxation System and provisions of Direct Tax.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Understand the basics of income tax law and working methodology of income tax department. CO2: Comprehend relevant provisions of direct tax and their practical applications.

CO3: Compute the taxable income under different heads.

CO4: Apply the provisions regarding set off and carry forward of losses

CO5: File income tax returns and gain practical knowledge regarding powers of income tax authorities, Penalties and prosecutions..

MCOM 304: E-BUSINESS

Course Objective: The course aims to enable students to know the mechanism for conducting business

through electronic means.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Understand the concept of E-business and its various aspects. CO2: Acquire application skills of designing a website for e-business. CO3: Gain familiarity about e-commerce activities and its applications. CO4: Comprehend with digital literacy about various payment gateway options. CO5: Assess the security issues and enrich with the decision-making skills to implement the measures of E- business.

GROUP-I: ACCOUNTING & MANAGEMENT

MCOM 306-A: MANAGEMENT INFORMATION AND CONTROL SYSTEM

Course Objective: To familiarize the students with the knowledge of emerging trends in good governance practices in the global and Indian context.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Acquire critical thinking about the key concepts of management information system. CO2: Learn the application skill of information system security and control. CO3: Enhance their knowledge regarding ethical issues and analyse the social impact of information System on character building. CO4: Understand the significance of goal congruence. CO5: Develop analytical reasoning of responsibility centres and investment centres.

GROUP-I: ACCOUNTING & MANAGEMENT

MCOM 306-B: SEMINAR BASED ON CASE STUDIES (CORPORATE GOVERNANCE)

Course Objective: To gain deeper understanding and knowledge of corporate governance issues by exploring various case studies and also to enhance their presentation skills on respective case studies

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Develop reflective thinking regarding working process and significance of corporate governance. CO2: Enhance skills related to principles of corporate governance. CO3: Develop critical thinking regarding consequences of scams happening in corporate world. CO4: Acquire skills for enhancing value for life and character building through business ethics. CO5: Gain lifelong knowledge regarding presentation and communication skills.

GROUP-II: FINANCE

MCOM 307-A: MANAGEMENT OF FINANCIAL SERVICES

Course Objective: To enable the students to appreciate and understand the concepts, mechanism and utility of different financial services.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Gain disciplinary knowledge about the financial services. CO2: Develop professional and application skills regarding merchant banking. CO3: Examine the concept of venture capital, leasing services and credit rating system in India. CO4: Analyse the performance of mutual funds in India. CO5: Acquaint themselves regarding digital literacy and present scenario of plastic money in India.

GROUP-II: FINANCE

MCOM 307-B: SEMINAR BASED ON CURRENT FINANCIAL ISSUES

Course Objective: To appraise the students regarding knowledge sharing, discussing ideas and exchanging views by exploring various current financial issues prevailing in financial environment and to enhance their presentation skills.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Examine the current financial scenario prevailing in the country and analyse its effects. CO2: Acquire skills for enhancing value for life and character building through financial ethics. CO3: Develop analytical reasoning regarding various sectors of economy. CO4: Gain lifelong knowledge regarding presentation and communication skills.

GROUP-III: MARKETING

MCOM 308-A: MARKETING MANAGEMENT

Course Objective: To familiarize the students with the basic concepts and principles of marketing and to develop their conceptual and analytical skills to be able to manage marketing operations of a business firm.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Understand fundamental marketing concepts and analyse marketing environment. CO2: Identify and describe the major basis of market segmentation, Targeting and Positioning. CO3: Analyse the process of marketing decisions involving product development, product price, place and promotion.

CO4: Examine the process of product distribution and its role in creating communication value for customers.

CO5: Gain knowledge regarding various developments in marketing area that may govern ethical and legal issues related to marketing.

GROUP-III: MARKETING

MCOM 308-B: SEMINAR BASED ON MARKETING FOR RESULTS

Course Objective: The seminar will focus on developing a marketing strategy, establish a sustainable competitive position in the business scenario, learn to communicate effectively on business matters related to marketing field and it will further develop an invaluable peer-to-peer learning experience.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Develop analytical reasoning regarding marketing for results.

CO2: Develop self-directed learning about the functioning of a business.

CO3: Enhance application skills of digital marketing and customer relationship management.

CO4: Gain information about search engine marketing.

CO5: Gain lifelong knowledge regarding presentation, marketing and communication skills

GROUP-IV: HUMAN RESOURCE MANAGEMENT

MCOM 309-A: HUMAN RESOURCE MANAGEMENT

Course Objective: The objective of the course is to make student aware of the concepts, techniques and practices of human resource management and understand the applicability of these principles and techniques in an organization for managing human resource.

Course Learning Outcomes

After completing the course, the learners shall be able to:

CO1: Gain basic disciplinary knowledge of human resources management.

CO2: Develop analytical reasoning of human resources planning.

CO3: Implement the moral and ethical reasoning in Human Resource Procurement.

CO4: Examine the use of performance appraisal process.

CO5: Deal with the problem-solving skills related to dynamics of industrial relations.

GROUP-IV: HUMAN RESOURCE MANAGEMENT

MCOM 309-B: SEMINAR BASED ON DEVELOPING HUMAN CAPITAL

Course objective: The seminar will enhance the practical aspects of developing human capital with the help of case studies, role play & lectures. The students will gain insights into the HR operations and its impact on the functioning of a business. The students will be able to use their knowledge to make more effective decisions in the field of human resource management.

Course Learning Outcomes

After completing the course, the learners shall be able to:

CO1: Understand the practical aspects of human resource management

CO2: Describe the essentials of work life balance and character building.

CO3: Gain familiarity about employee welfare programmes.

CO4: Comprehend the importance of role of counseling & mentoring.

CO5: Gain lifelong knowledge regarding presentation and communication skills.

GROUP-V: ENTREPRENEURSHIP

MCOM 310-A: ENTREPRENEURSHIP DEVELOPMENT

Course Objective: The course aims to equip the learners to entrepreneurship so that they are inspired to look at entrepreneurship as a viable, lucrative, and preferred option of professional life.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Discern distinct entrepreneurial traits.

CO2: Identify the reflective thinking to assess opportunities and constraints for new business.

CO3: Develop a business idea by adopting systematic process.

CO4: Design strategies for successful implementation of ideas.

CO5: Develop decision making skill regarding creating a business plan.

GROUP-V: ENTREPRENEURSHIP

MCOM 310-B: SEMINAR BASED ON CREATIVITY, INNOVATION AND ENTREPRENEURSHIP

Course Objective: The objective of the seminar is to develop a creative mindset, learn & apply a wide range of creativity techniques, apply creativity & innovation in a business context & understand how innovation is the key to success.

Course Learning Outcomes

After completing the course, the learners shall be able to:

CO1: Develop creative, innovative and entrepreneurial ideas with their application skills.

CO2: Build successful entrepreneurship through examining various case studies.

CO3: Face the challenges associated with entrepreneurship.

CO4: Mitigate and manage various challenges in the field entrepreneurship.

CO5: Gain lifelong knowledge regarding presentation, creative, innovative and entrepreneurial skills

SEMESTER-IV

MCOM 401: ADVANCED INDIRECT TAXES

Course Objective: This course aims to enable the students to understand the concept, utility and mechanism of Goods & Service Tax (GST) applicable in India along with the basics of International Taxation.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Examine the tax structure in India and in other countries.

CO2: Gain detailed information and digital literacy about the provisions of GST Act.

CO3: Describe the procedure of Imports and Exports under GST.

CO4: Identify the provisions regarding international taxation.

CO5: Analyse taxation of business process outsourcing units in India

MCOM 402: FUNDAMENTALS OF INVESTMENT

Course Objective: To equip the students with advanced analytical tools, models and financial theory necessary for making sound investment decisions and optimum portfolio choice as well as understanding the paradigms by which financial securities are valued.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Understand the concept, nature and scope of investment and portfolio management.

CO2: Critical evaluate the investment alternatives for individuals.

CO3: Gain conceptual knowledge and develop analytical reasoning regarding fundamental analysis. CO4:

Examine the investment portfolio and understand about portfolio performance evaluation.

CO5: Develop decision making skills for investing in profitable financial derivatives.

MCOM 403: BANKING AND INSURANCE SERVICES

Course Objective: To equip the students with advanced analytical tools, models and financial theory necessary for making sound investment decisions and optimum portfolio choice as well as understanding the paradigms by which financial securities are valued.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Gain knowledge regarding evolution and banking system in India.

CO2: Develop analytical reasoning regarding risk management.

CO3: Comprehend banking regulations and e-banking system in India.

CO4: Examine the legislative insurance framework of India.

CO5: Understand the concept of reinsurance and bancassurance in India.

MCOM 404: CORPORATE TAX PLANNING

Course Objective: To familiarize the student with latest provisions of the Indian Corporate tax laws and related judicial pronouncements having implications for corporate tax planning.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Understand current tax planning and tax management practices.

CO2: Examine the provisions of tax planning for corporate sector.

CO3: Gain information about the special tax provisions regarding business reorganization.

CO4: Develop decision making skills regarding tax planning and financial management.

CO5: Examine the provisions for relief in respect of double taxation.

MCOM 405: MAJOR PROJECT ON ELECTIVE PAPER

Course Objective: The scope of the major project execution is to give the students the knowledge, skills and tools they need to grow in the current competitive business environment.

I) Accounting and Management Specialization: The following topics will give a clear insight into the current accounting and management issues.

-) CA Firms and Corporations
-) Automation in accounting and cloud accounting
-) Accounting information systems and Cyber security
-) Taxation
-) Accounting ethics
-) Agriculture accounting

II) Financial Specialisation: The following topics will give a clear insight into the current financial issues.

-) Banking and Insurance
-) Taxation
-) Financial and accounting ethics

-) Stock markets
 -) CSR reporting and Corporate Governance
 -) Mergers and Acquisitions
- III) Marketing Specialisation: The following topics will give a clear insight into the current Marketing issues.
 -) NGO's
 -) Retail marketing
 -) Political marketing
 -) Green marketing
 -) Consumer behaviour
 -) Digital marketing and Social media marketing
 -) Rural Marketing and Social Marketing
- IV) Human Resource Management Specialisation: The following topics will give a clear insight into the current HR issues.
 -) Banking and Insurance
 -) Retailing
 -) NGO's
 -) Employment exchanges
 -) Health care sector
 -) Tourism
 -) Big corporate houses
- V) Entrepreneurial Specialisation: The following topics will give a clear insight into the current entrepreneurial issues.
 -) Business From Home or Work from home
 -) Globalized Business.
 -) Mobile Commerce.
 -) Social Commerce.
 -) Green businesses

III) Marketing Specialisation: The following topics will give a clear insight into the current Marketing issues.

IV) Human Resource Management Specialisation: The following topics will give a clear insight into the current HR issues.

V) Entrepreneurial Specialisation: The following topics will give a clear insight into the current entrepreneurial issues.

GROUP-I: ACCOUNTING & MANAGEMENT

Course Objective: To familiarize the students with the knowledge to undertake feasibility study of industrial projects, appraise the projects from private, commercial as well as `social angles, and prepare detailed project reports.

CO1: Gain the conceptual and practical knowledge of project management.

CO3: Understand the techniques of resource allocation.

CO5: Gain experiential learning by performing the assigned tasks.

MCOM 407-B: WORKSHOP BASED ON PROJECT DEVELOPMENT

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO2: Explore the appropriate way to initiate, plan, execute, control and close a project.

CO4: Develop the technical writing skills for making projects.

MCOM 408-A: INTERNATIONAL FINANCE

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO2: Enhance disciplinary knowledge about the international monetary system.

CO4: Examine the international investment and working capital management system.

CO5: Develop analytical reasoning about the techniques of foreign exchange exposure.

GROUP-II: FINANCE

MCOM 408-B: WORKSHOP BASED ON INTERNATIONAL REPORTING STANDARDS

Course Objective: This workshop will provide knowledge sharing platform for students regarding globally accepted accounting standards. They not only learn the concept but also gain insight into practical implementation of international financial reporting standards.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Gain knowledge about the preparation and publication of financial statements.

CO2: Understand the international reporting standards.

CO3: Learn the importance of single set of high quality, global accounting standards.

CO4: Develop skills involved in group discussions, learn impressive presentation and communication.

GROUP III: MARKETING

MCOM 409-A: DIGITAL MARKETING

Course Objective: The course aims to provide knowledge about the concepts, tools, techniques, and relevance of digital marketing in the present changing scenario. It also enables the learners to learn the application of digital marketing tools and acquaint about the ethical and legal aspects involved therein.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Identify and assess the impact of digital technology in transforming the business environment and also the customer journey.

CO2: Explain the way marketers think, conceptualize, test continuously to optimize their product search on digital platforms.

CO3: Illustrate the measurement of effectiveness of a digital marketing campaign. CO4: Examine the importance of artificial intelligence in digital marketing.

CO5: Demonstrate their skills in digital marketing tools such as SEO, Social media, and Blogging for Engaging the digital generation.

CO6: Explain the need for regulatory framework for digital marketing in India.

GROUP III: MARKETING

MCOM 409-B: WORKSHOP BASED ON DIGITAL MARKETING

Course Objective: This workshop aims to make students more effective in developing and executing digital marketing strategies.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Develop the adaptability for the new world of marketing.

CO2: Embrace the tools and techniques required to succeed in digital marketing.

CO3: Learn to develop and execute digital marketing plans

CO4: Optimize online platforms for search engines to improve business performance.

CO5: Run search marketing campaigns.

GROUP IV: HUMAN RESOURCE MANAGEMENT

MCOM 410-A: MANAGEMENT OF INDUSTRIAL RELATIONS

Course Objective: The main objective of Industrial relations is to aware the students about the significance of industrial relations in actual working environment.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Gain knowledge regarding the concept and importance of industrial relations management.

CO2: Enhance the ethical and moral awareness about the quality of work life.

CO3: Analyse issues related to wage and salary administration.

CO4: Develop problem solving skills required for employee grievances

CO5: Examine the nature and scope of industrial disputes.

GROUP IV: HUMAN RESOURCE MANAGEMENT

MCOM 410-B: WORKSHOP BASED ON TRANSFORMATIONAL INDUSTRIAL AND EMPLOYEE RELATIONS

Course Objective: This course aims to impart practical knowledge regarding industrial and employee relations and to create an understanding regarding employee engagement and empowerment.

Course Learning Outcomes: From this course students will gain knowledge regarding:

CO1: The Development of collaborative approach to labour & industrial relations

CO2: Techniques and methodologies for enhancing & transforming IR

CO3: Importance of employee engagement and empowerment

CO4: Impact of people factor in IR

CO5: The possibilities of effective conflict resolution

CO6: Mediation skills as a practical intervention into disputes

GROUP V: ENTREPRENEURSHIP

MCOM 411-A: BUSINESS INCUBATION

Course Objectives: The course aims to familiarize the learners with development of business incubators and its management. It also aims to make learners understand the role of business incubation in growth of economy.

Course Learning Outcomes: After completing the course, the students will be able to: -

CO1: Gain knowledge regarding Business Incubation-Concepts and Principle

CO2: Learn about the Incubation and Entrepreneurship.

CO3: Understand the Role of business incubation in start-up development

CO4: Know about the Financing business incubator

CO5: Manage business incubation policy

GROUP V: ENTREPRENEURSHIP

MCOM 411-B: WORKSHOP BASED ON BUSINESS INCUBATION

Course Objectives: The course aims to familiarize the students with practical knowledge of business incubation process and various supporting activities involved in creating a successful business in real – life cases.

Course Learning Outcomes: After completing the course, the learners shall be able to:

CO1: Develop a business incubation structure dealing in real-life cases.

CO2: Analyse and compare various business plans and decide on the best option

CO3: Examine the practical implications of designing a business incubation model and problems faced by state- ups

CO4: Understand the marketing aspects related to business incubation.

BBA

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

1. To provide high quality professional education to management students.
2. To focus on the holistic development of the student with conceptual clarity, analytical ability, critical thinking and communication skills.
3. To prepare young minds with a positive attitude for excellent performance and committed service.
4. To facilitate the entrepreneurial journey of students by providing them with the breadth and depth of knowledge required to start a business.
5. To develop management professionals who are able to leverage theoretical knowledge to design sustainable solutions to real world problems.

PROGRAMME OUTCOMES (PO) UG

1. The B.B.A programme is designed to inculcate professional and managerial expertise in students.
2. The programme will help the students to demonstrate an understanding and appreciation of ethical principles at both the professional and community level.
3. Graduates with acquired skills and enhanced knowledge will be employable/ become entrepreneurs or will pursue higher education.
4. The course will help students to acquire skills keeping in synchronization according to the changing trends in education and in the market.
5. Graduates will be able to develop practical skills and personalities through skill enhancement inducing courses.

PROGRAM SPECIFIC OBJECTIVES (PSO)

On completion of the Programme, the Under Graduates will be able to

1. The students will be able to learn and integrate finance & accounting skills, entrepreneurship & managerial skills, practical skills, analytical skills leadership skills, investment skills, computing skills, and digital skills for real-time problem-solving.
2. The students will be able to apply the theoretical ideas into various business circumstances and will be able to develop consciousness regarding the environment, and will also be sensitized for human values and moral demeanor essential to run a sustainable business.
3. To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students with an assurance for good careers.

SEMESTER-I

BBA 102: FUNDAMENTALS OF MANAGEMENT

Course Objective

The objective of the course is to familiarize students with the principles, functions and techniques used to effectively manage business enterprises. It will also help students to know about the contribution made by management thinkers towards the basic principles and functions of management.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the concepts related to Business.

CO2: demonstrate basic knowledge of management and organization.

CO3: understand how successful managers effectively and efficiently use these functions and their business resources to achieve organizational objectives.

CO4: Demonstrate the roles, skills and functions of management.

CO5: Integrate management principles into management practices.

CO6: Explain the components of direction- leadership, motivation and communication

BBA 103: STATISTICS FOR BUSINESS DECISIONS

Course Objective

The course will provide with the introduction to the basic concepts of statistics and it will also help the students to gain knowledge of statistical techniques used for business data analysis.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: understand data description and data presentation in a business environment

CO2: Analyze the relationship between two variables

CO3: produce appropriate graphical and numerical descriptive statistics for different types of data.

CO4: Analyze trend and seasonality in a time series data

CO5: Apply statistics to different managerial situations

CO6: understand basic theoretical and applied principles of statistics needed to enter the job force.

Semester–II

BBA 201: MANAGERIAL ECONOMICS

Course Objective

The objective of the course is to introduce the economic concepts to the students. Also to familiarize students with the importance of economic approaches and managerial decision making

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: develop the ability to explain core economic terms, concepts, and theories.

CO2: apply economic theories and concepts to contemporary social issues, as well as formulation and analysis of policy.

CO3: recognize the role of ethical values in economic decisions.

CO4: develop reflective understanding of consumer behaviour with various approaches.

CO5: analyse the market structure of economy and behaviour of firms.

BBA 202: BUSINESS ACCOUNTING

Course Objective

The objective of this paper is to help students to acquire conceptual knowledge of the business accounting and to impart skills for recording various kinds of business transactions

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: define bookkeeping and accounting

CO2: explain the general purposes and functions of accounting

CO3: describe the main elements of financial accounting information – assets, liabilities, revenue, and expenses

CO4: understand accounting concepts, tools, and techniques influencing business organisations.

CO5: exposed to practical aspects of accounting practiced by companies/ corporations.

BBA 203: BUSINESS ETHICS, GOVERNANCE AND CORPORATE SOCIAL RESPONSIBILITIES

Course Objective

The objective of the course is to inculcate among students' workplace values and ethics and to make them aware about the corporate social responsibility of business organisation.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Demonstrate an enhanced appreciation for the relevance and practical application of ethics in the role of management

CO2: Critically evaluate the range of ethical issues that arise in management, and business organisations and the theories that are used to model these issues and demonstrate an ability to propose solutions to those issues.

CO3: analyse various ethical codes in corporate governance

CO4: Demonstrate detailed knowledge of the development of Corporate Social Responsibility and the responsibilities of business corporations beyond profit maximisation.

CO5: understand the latest trends and real-life strategies adopted by companies during uncertainty.

SEMESTER-III

BBA-301: Organisational Behaviour

Course Objective

The objective of the course is to equip the students with the ability to analyze, interpret and apply the basic concepts of Organisational Behaviour in the organization.

Course learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand Organisational Behaviour concepts and determinants

CO 2: Categorize Personality and values associated.

CO 3: Understand and use motivation and leadership theories.

BBA-302 Principles of Marketing Management

Course Objective

The objective of the course is to develop the ability in the students to define and analyze marketing problems through the formulation of marketing objectives, policies, programmes and strategies.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Understand fundamentals of marketing concepts and the role marketing plays in business.

CO 2: Developing communication and marketing skills and generate employability.

CO 3: Know the importance of buyer behavior and market segmentation.

BBA-303: PRODUCTION AND OPERATIONS MANAGEMENT

Course Objective

The course will provide understanding about various functions and disciplines of Production & Operations Management.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Illustrate various types of methods for problem solving in production.

CO 2: Demonstrate an understanding of importance of operations management and difference between operations and production management.

CO 3: Experiments various methods of materials management.

CO 4: Adopt total quality management concept in professional life.

BBA-304: A. BUSINESS RESEARCH METHODOLOGY

Course Objective

The objective of the course is to familiarize the students to identify correct statistical tools to solve problems in hand.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Analyze research design and scaling methods.

CO 2: Understand and application of various methods of data analysis in practice.

CO 3: Illustrate about various types of data and methods for collecting data.

CO 4: Calculate, present, and discuss descriptive and inferential statistics.

BBA-304: B. BUSINESS ENVIRONMENT

Course Objective:

The course will prepare future entrepreneurs to plan, launch and grow a business venture within the context of their local and national social, political, legal and economic environment.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Analyze the environment of a business from legal and regulatory, macroeconomic, cultural, political and natural perspectives.

CO 2: Critical examine the present scenarios that synthesize business environment information.

CO 3: Conduct a logical and scientific analysis of specific component of the business environment.

CO 4: Understand how an entity operates in different business environment.

BBA-304: C. BANKING AND INSURANCE

Course Objective

The objective of the course is to make the students understand the working and principles of banking and insurance sector.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Know about the various banking institutions and banking products.

CO 2: Understand the various elements of regulation and control in the insurance industry.

CO 3: Understand the nature of employability in banking industry.

CO 4: Gain lifelong learning about of insurance and various assurance products.

BBA-305: SEMINAR ON ENTREPRENEURSHIP

Course Objective

The objective of this course is to make the students to understand various issues involved in starting a venture, apply the growth strategies and scaling up the venture.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand the Government's role in encouraging and supporting Entrepreneurship through various services including EDP training programs.

CO 2: Enhance the students with decision making skills to start a venture, monitor and evaluate it.

CO 3: Evaluate the contribution of commercial banks in promoting and servicing small business.

Semester-IV

BBA-401 HUMAN RESOURCE MANAGEMENT

Course Objective

Upon completion, the student should be able to indicate and explain various human resource interventions that may be required when dealing with the work environment, people and problems.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Demonstrate an understanding of Human Resources and varied applications.

CO 2: Explore Recruitment methods and arrive at best fits after critical evaluation.

CO 3: Analyze the training needs and effectively use an appropriate technique.

CO 4: Understand the Methods and Techniques of Performance Appraisal.

BBA-402 FINANCIAL MANAGEMENT

Course Objective

The objective of the course is to help the students to develop an attitude to focus on financial statement users, their information needs, and how financial statement analysis addresses those needs.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand the Financial Management background and its scope and objectives and its applicability in life.

CO 2: Understand the Dividend policies to analyze the financial decisions.

CO 3: Critical examine the working of cost of capital and best selection of sources.

CO 4: Understand importance of risk and its management within context of financial decision making.

BBA 403: ORGANIZATIONAL DEVELOPMENT AND CHANGE

Course Objective:

The objective of the course is to make the students familiar with number of organizational issues including, the need for change, why organizations change or fail to change and legal and regulatory issues associated with change.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand the importance of environment and its impact on organization.

CO 2: Develop a basic understanding and fundamental knowledge of the models and theories of change management.

CO 3: Learn how to apply some of the key concepts and tools organizational development and change leadership and management.

BBA-404 E-COMMERCE

Course Objective

This course focuses on principles of e-commerce from business perspective, providing an overview of business and technology topics, business models, virtual value chains and social innovation and marketing strategies.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand the basic concepts and technologies used in the field of management information systems.

CO 2: Have the knowledge of the different types of digital management information systems.

CO 3: Implementation and evaluation various online platforms for business analysis.

CO 4: Understand the technical fundamentals required for E-Commerce.

BBA 405: A. BUSINESS DATA ANALYTICS

Course Objective

The course aims to introduce the learners with practical knowledge of business intelligence and analytics, which include the use of data, statistical and quantitative analysis, exploratory and predictive models.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Understand the basic concept of data analytics by considering various approaches regarding it.

CO2: Demonstrate logical and reasoning skills for computation and aggregation of data.

CO3: Present data with the help of charts pivot tables as per the application required.

CO4: Analyse data using software package and interpret the results.

CO5: Apply textual data and interpret the results to solve particular problem.

BBA 405: B. INTERNATIONAL BUSINESS ENVIRONMENT

Course Objective

The objective of the course is to impart basic knowledge regarding the international business environment.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: understand the contemporary issues in international business environment.

CO 2: Acquire knowledge about the role and working of various international bodies and organisations like WTO, UNCTAD, IMF etc.

CO 3: Practical examine the various strategies of entering into an international market.

CO 4: Analytical understand the unique issues and challenges faced by firms involved in international activities.

BBA 405: C. AUDITING PRACTICES

Course Objectives

The objective of this paper is to help students to acquire knowledge of auditing practices.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand the planning and various techniques of auditing.

CO 2: Demonstrate critical thinking and analysis skills that solve business problems in a real-world context.

CO 3: Understand the ethical issues involved in auditing.

SEMESTER-V

BBA-501: RETAIL MANAGEMENT

Course Objective

The objective of this course is to provide an in-depth understanding of retail marketing, building sustainable relationship, buyer behavior, SCM and store maintenance and inventory management.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the functions of retail business and various retail formats and retail channels.

CO2: Understand, key drivers of retail supply chain and how to select a retail store location?

CO3: Evaluate current retailing trends based on consumer, legal and competitive environments.

CO4: Identify various retail opportunities and evaluate the strategies associated with each type of opportunity.

CO5: Distinguish and characterize the factors and management tools that retailers consider and use when developing their merchandise mix.

CO6: Analyze Retail Market and Financial Strategy including product pricing.

BBA-502: BUSINESS LAW

Course Objective

The objective of the course is to enlighten the students about the elements of general legal aspects of business and also understand contracts in various businesses and professions.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand general and specific provisions of Indian Contract Act, 1872

CO2: Explain various provisions dealing with Negotiable Instruments

CO3: Describe legal remedies available to consumers under Consumer Protection Act, 2019

CO4: Demonstrate an understanding of the Legal Environment of Business.

CO5: Apply basic legal knowledge to business transactions.

CO6: Communicate effectively using standard business and legal terminology.

BBA-503: (A) ADVERTISING AND SALES MANAGEMENT

Course Objective

The objective of the course is to make students familiar with the role played by sales promotion and communication in advertising and promotional activities.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Identify the elements of the communication process between buyers and sellers in business.

CO2: Identify and make decisions regarding the most feasible advertising appeal and media mix.

CO3: Students will get disciplinary knowledge of advertising along with growing importance of creativity in Ads in today's competitive world.

CO4: The course enables the students to develop communication and critical thinking skills

CO5: Students will be equipped with professional skills required to motivate and train the sales force and enhance their productivity.

BBA-503: (B) MANAGING INDUSTRIAL RELATIONS

Course Objective

The objective of the course is to enable the students to understand the concept of Industrial relations and Industrial Conflict. To understand the concept of Collective Bargaining, Trade Unions and how to handle grievances.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Develop an understanding of industrial relations institutions such as employer associations, trade unions and industrial tribunals; principles of employment law; practical skills in negotiation, advocacy and workplace bargaining;

CO2: Understand occupational health and safety; an awareness of Indian Labour history.

CO3: Students should be able to elaborate the concept of Industrial Relations.

CO4: Critically analyze industrial relations and apply exemplary decision making skills to achieve industrial cooperation.

CO5: Demonstrate moral and ethical reasoning while handling grievance mechanism.

BBA-503: (C) FINANCIAL INSTRUMENTS AND SERVICES

Course Objective

The objective of the course is to make students familiar with various financial and money market instruments. It also includes understanding and importance of various financial services in India.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the role and function of the financial system in reference to the macro economy.

CO2: Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.

CO3: Evaluate and create strategies to promote financial products and services.

CO4: Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.

CO5: Evaluate and create strategies to promote financial products and services.

BBA-504(A): BRAND AND PRODUCT MANAGEMENT

Course Objective

The objective of the course is to give a basic understanding on Branding of products and various strategies used to develop and manage products throughout product life cycle.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Apply the fundamental concepts of product and brand development and management.

CO2: Identify, discuss and indicate variables that drive the success of brands and product lines and the interrelationships among these variables

CO3: Apply an understanding of the product manager's role in product pricing, sales, and promotion.

CO4: Recognize the brand image, brand awareness, brand decision, brand personality and also the benefits of brand

CO5: Express the brand extension, line extension, brand licensing, franchising and global marketing

BBA-504(B): TRAINING AND DEVELOPMENT

Course Objective

The objective of the course is to impart knowledge of training and development techniques prevalent in business. To study the importance and implications of management development programmes.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Explain the role of training and development in human resources management.

CO2: Analyses the training needs of an organization.

CO3: Assess, design, access and implement various methods, techniques and sources of training.

CO4: Analytical reasoning and problem solving in respect to human resource management.

CO5: Scientific reasoning while deciding training and development needs of human resources.

BBA 504: (C) STOCK MARKET OPERATIONS

Course Objective

The objective of the course is to provide in-depth knowledge of Indian stock market and rules and regulations of SEBI. The course consists of Trading Mechanisms, Depository Operations and basics of future market operations.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Explain the concept of Investment and discuss the investment process.

CO2: Discuss securities market and financial system and elaborate regulatory framework

CO3: Explain structure of stock market in India and different types of investment risk.

CO4: Evaluate empirical evidence of the market performance and accordingly the role of regulatory authorities to develop the financial market.

SEMESTER-VI

BBA-601: Industrial Training

Course Objective

The objective of the training is to give first-hand knowledge of business practices being used in present business scenario by working as intern in the different spectrum of firms.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Develop their ability, competence and interpersonal skills.

CO2: Integrate classroom theory with workplace practice

CO3: Gain understanding of administrative functions and company culture

CO4: Improve their knowledge and skills relevant to their areas of specialization.

CO5: Relate, apply and adapt relevant knowledge, concepts and theories within an industrial organization, practice and ethics

BBA-602: INDUSTRIAL PROJECT REPORT

Course Objective

The objective of this course is to expose students to real work environment experience and gain knowledge in writing report in technical works/projects.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Write formatted report explaining the work in industrial training and describing the experience.

CO2: Display a capacity for critical reasoning and independent learning.

CO3: Demonstrate and apply research skills to complete a project.

CO4: Identify skills and capabilities that intersect effectively with the needs of industry.

BCOM (HONOURS)

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

1. To prepare the graduate students for setting up their career in the field of Commerce and Management.
2. To provide basic and advanced learning to the graduates for making them capable for professional and business work environment
3. To make the students a ready workforce by achieving the proficient standards in the international business milieu.
4. To enable the graduates to apply the gained knowledge for business decision making.

PROGRAMME OUTCOMES (PO) UG

1. In this course students are exposed to general business principles, accounting, economics, relevant laws and quantitative skills.
2. The programme emphasis to enhance problem solving skills of the students in the real business environment by way of summer training, industrial visits, case studies and projects.
3. Experts from the industry are invited on a regular basis in order to upgrade students' knowledge and to provide an insight into the actual requirements of the industry.
4. The curriculum of this programme offers variant value based and job-oriented courses through specialization and practical exposure.

PROGRAM SPECIFIC OBJECTIVES (PSO)

On completion of the Programme, the Under Graduates will be able to:

1. The student will be able to gain quantitative and qualitative knowledge about financial accounting and corporate accounting for recording business transactions; basic concepts of micro and macroeconomics, business legislation along with relevant laws, and drug abuse and environmental issues by introducing practical problems. They will also develop language proficiency with special emphasis on business communication.
2. The students will be able to enhance their technical competency with information technology in business with expertise knowledge in the field of management, banking, marketing, finance, human resource management, subsequent accounting branches and economic sector. The course opens vast range of exciting opportunities to the students by making them practice financial reporting norms and get familiar to the taxation practices.
3. They will develop entrepreneurial and financial management skills and create awareness about real life practices including new concepts like GST, corporate governance and social responsibility. Compulsory seminar on summer training projects and current business issues provides them the apt environment to project their industrial knowledge and skills acquired during their training period.

B.COM HONOURS

BCH 102: FINANCIAL ACCOUNTING

Course Objectives:

The course helps students to acquire conceptual knowledge of the financial accounting and to impart skills for recording various kinds of business transactions. It nourish knowledge about principles, conventions and accounting process of recording transactions and helps to study methods of computing depreciation and accounts relating to partnership firms.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: nourish knowledge about theoretical framework of financial accounting concepts, principles and conventions

CO2: learn accounting process of recording business transactions to develop computing skills while handling problems in financial accounting

CO3: understand methods of computing depreciation and related accounting standards

CO4: understand the accounts for partnership firms from admission to dissolution of partnership

CO5: determine the users of financial accounting information and their information needs

BCH 103: BUSINESS LAW

Course Objective:

The course familiarise the students with basic knowledge of issues related to Indian Contract Act 1872. It impart basic knowledge about essentials of a valid contract, offer and acceptance, consideration, contractual capacity, free consent, legality of objects, various types of negotiable instruments including promissory note, bill of exchange, cheque under Negotiable Instruments Act 1881 and salient features, grievance redressal and Consumer Protection Act 1986.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: Understand Contract Act 1872 to determine legal position of business transactions.

CO2: learn essentials of a valid contract, offer and acceptance, consideration, contractual capacity, free consent, legality of objects

CO3: gain knowledge about types of negotiable instruments including promissory note, bill of exchange, cheque under Negotiable Instruments Act 1881

CO4: acquire knowledge about contract of bailment, contract of agency and contract of bailment

CO5: understand salient features, grievance redressal and Consumer Protection Act 1986

BCH 104: MICRO ECONOMICS

Course Objective:

The course enable the students to understand about basic concepts of micro economics, demand and supply analysis and to evolve wider view of consumer behaviour producer behaviour and firm behaviour

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: understand basic concepts of micro economics to gain knowledge regarding fundamental concepts of economics.

CO2: study demand and supply analysis, and elasticity of demand

CO3: determine production theory and cost of production to survive in competition

CO4: learn wider view of consumer behaviour producer behaviour and firm behaviour

CO5: determine perfect competition, monopoly competition and monopolistic competition

SEMESTER II

BCH 201: CORPORATE ACCOUNTING

Course Objective:

The course enables the students to develop awareness about corporate accounting techniques, accounting for share capital and debentures, valuation of goodwill and shares followed by the corporate world in conformity with the provisions of Companies Act.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: develop understanding regarding accounting for share capital and debentures, valuation of goodwill and shares

CO2: acquire knowledge about preparation of profit and loss account and balance sheet of corporate entities

CO3: understand concepts and accounting treatment of amalgamation of companies

CO4: understand concept and methods of valuation of shares and goodwill

CO5: Inbuilt the accounting skills in students to work as per provisions

BCH 202: CORPORATE LAWS

Course Objective:

Course impart basic knowledge of the important business legislation along with relevant case laws. It helps to understand formation of a company and in depth knowledge related to directors, prospectus and meetings and to study contents and alterations related to memorandum of association and articles of association

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: gain knowledge regarding characteristics, types and formation of a company

CO2: enhance professional skills involved in pre-incorporation contracts and determine legal position of promoters

CO3: understand various concepts like directors, prospectus and convening meetings for fostering team work

CO4: study lifting of corporate veil; and learn contents and alteration of memorandum of association and articles of association

CO5: develop problem solving skill while analyzing various modes of winding up of a company

BCH 203: MACRO ECONOMICS**Course Objective:**

The course helps to understand economy as a whole including inflation, balance of payment, national income and multiplier concept, theories of income, output and employment determination

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: develop reflective understanding of concepts, methods, problems in measuring national income

CO2: study theories of income, output and employment determination

CO3: analyse factors affecting investment decisions, inflation and balance of payment

CO4: identify expenditure under two sector model, three sector model and four sector model

CO5: develop skills to find solution to a number of real-life business related issues

Semester-III**BCH 301: Cost Accounting****Course Objective:**

The course provides basic understanding to acquire conceptual knowledge of cost accounting. It also imparts skills in the students to acquire the ability to use information determined through cost accounting for decision making purpose.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Understand basic concepts of cost accounting, cost ascertainment and cost control.

CO 2: Develop critical thinking by learning accounting techniques regarding material costing and Labour costing.

CO 3: Study implementation of cost accounting methods to identify profitable products and services.

CO 4: Understand preparation of cost sheet and treatment of various costs under different heads for analytical reasoning.

BCH 302: INCOME TAX LAW AND PRACTICES**Course Objective:**

The course provides basic understanding to learners to acquire conceptual and practical knowledge of various provisions of Income Tax Law.

Course Learning Outcomes: After completing the course, the students shall be able to acquire basic knowledge regarding:

CO 1: Basics of income tax law and working of income tax department.

CO 2: Relevant provisions of direct tax and their practical applications for magnifying professional skills.

CO 3: Calculation of taxable income under different heads.

CO 4: Deductions under the Income Tax Act.

CO 5: Provisions regarding filling of return, powers of income tax authorities, penalties and prosecutions.

BCH 303: MANAGEMENT PRINCIPLES AND APPLICATIONS**Course Objective:**

The course imparts basic knowledge to the students for understanding management concepts, principles and practices. It also familiarizes students with its application in business decision making using sustainable business practices.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Study the concept and functions of management.

CO 2: Discuss the evolution of management thoughts.

CO 3: Analyse various motivation theories to augment leadership qualities.

CO 4: Learn the process of decision making and controlling techniques to boost professional skills.

BCH 304: (A) BUSINESS MATHEMATICS AND STATISTICS

Course Objective: This paper enables the students to perform operations on matrices and apply them to collect, organize and represent data to demonstrate several approaches to basic problem solving and implement those strategies.

Course Learning Outcomes: After completing the course, the students shall be able to determine:

CO 1: Discuss the scope and function of statistics.

- CO 2: Understand matrices and determinants for reflective thinking.
CO 3: Understand types and methods of correlation for experiential learning.
CO 4: Study types and properties of regression.

BCH 304: (B) MARKETING MANAGEMENT

Course Objective:

The course familiarizes the students with the basic concepts and principles of marketing and develops their conceptual and analytical skills which help them to manage marketing operations of business firm efficiently.

Course Learning Outcomes: After completing the course, the students shall be able to:

- CO 1: Discuss the evolution of marketing.
CO 2: Understand marketing and marketing environment for reflective thinking.
CO 3: Understand product life cycle and various strategies related to it for experiential learning.
CO 4: Study elements of marketing mix.

BCH 304: (C) INDIAN ECONOMY

Course Objectives:

The course aims to provide an understanding of constituent sectors that define the Indian economy and enable students to examine the role of different sections of the economy in economic development of India.

Course Learning Outcomes: After completing the course, the students shall be able to determine:

- CO1: Nature and scope of Indian economy.
CO2: Growth and problems of major industries for problem solving.
CO3: Importance of planning for economic development for analytical reasoning.
CO4: Importance and problems of international trade for application of skills.

SEMESTER IV

BCH 401: FUNDAMENTALS OF INSURANCE

Course Objective:

The course helps students to acquire knowledge of insurance principles and practices. It also aims to help students to gain knowledge regarding regulatory framework of insurance.

Course Learning Outcomes: After completing the course, the students will be able to get knowledge regarding:

- CO 1: Need of insurance sector in economic development for decision making skills.
CO 2: Types of insurance and risk.
CO 3: Role of bancassurance in Indian scenario.
CO 4: Growth and development of insurance sector in India.
CO 5: Regulatory framework of insurance for information literacy.

BCH 402: MANAGEMENT ACCOUNTING

Course Objective:

The course helps students to develop conceptual knowledge of managerial techniques of accounting for constructive decision-making purpose in business.

Course Learning Outcomes: After completing the course, the students will be able to:

- CO 1: Understand the managerial aspects of accounting to make effective decisions.
CO 2: Determine various management tools for effective decision making.
CO 3: Determine budgeting for profit planning and control for analytical reasoning.
CO 4: Demonstrate ratio and break-even analysis for taking corrective measures in business management for problem solving.

BCH 403: AUDITING PRACTICES

Course Objective:

The course helps students to acquire knowledge of auditing practices which serves as an important role in companies for fraud prevention.

Course Learning Outcomes: After completing the course, the students will be able to:

- CO 1: Study origin and various principles governing auditing.
CO 2: Determine the role of auditor in detection of errors and frauds.
CO 3: Discuss audit planning and procedure for analytical reasoning.
CO 4: Study professional ethics and misconduct for enhancing professional skills.

BCH 404: (A) BUSINESS RESEARCH METHODOLOGY

Course Objective:

The course aims to inculcate basic research aptitude among the students, and enable them to collect, analyse data and prepare research report.

Course Learning Outcomes: After completion the course, the students will be able to:

- CO1: Outline the significance of research methodology and Analyses the Problems in conducting research.

CO2: Determine research design in consonance with the research problem.

CO3: Collect and tabulate required primary and secondary data for analysis purpose.

CO4: Prepare a report on the basis of collected data.

BCH 404: (B) HUMAN RESOURCE MANAGEMENT

Course Objectives:

The course aims to make student aware of the human resource interventions that may be required when dealing with the work environment, people and problems.

Course Learning Outcomes: After completing the course, the students will be able to:

CO 1: Develop necessary skills to prepare human resource policy to enable the employees to attain work life balance.

CO 2: Understand different kinds of training and development strategies in real life scenarios.

CO 3: Design incentive schemes for different job roles in an organization.

CO 4: Create HR policies related to grievance redressal, employee health, safety, welfare, and their social security in an organisation.

BCH 404: (C) BUSINESS DATA ANALYTICS

Course Objective

The course aims to introduce the learners with practical knowledge of business intelligence and analytics, which include the use of data, statistical and quantitative analysis, exploratory and predictive models.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Understand the basic concept of data analytics by considering various approaches regarding it.

CO2: Demonstrate skills for computation and aggregation of data.

CO3: Present data with the help of charts pivot tables;

CO4: Analyse data using software package and interpret the results;

CO5: Apply textual data and interpret the results.

BCH 405: BANKING OPERATIONS AND PROCEDURES

Course Objective:

The course helps students to acquire conceptual knowledge of financial system, banking structure, products and services, operations and procedures. It also provides knowledge regarding tribunal and procedure of debt recovery.

Course Learning Outcomes: After completing the course, the students shall be able to:

CO 1: Study origin and composition of banking system in India.

CO 2: Understand various services and products rendered by banks in India.

CO 3: Determine overview of financial system in India for reflective thinking.

CO 4: Assess various provisions of banking ombudsman.

CO 5: Learn methods and sources of money laundering.

SEMESTER-V

BCH 501: FINANCIAL MANAGEMENT

Course Objective:

The course provides conceptual knowledge of the financial management, impart skills for recording various business transactions, study financial theories and analytical tools needed to make good investment decisions and design optimum capital structure and to understand utility of working capital management.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: study financial theories and analytical tools needed to make good investment decisions.

CO2: understand designing optimum capital structure

CO3: determine the cost of capital and measuring cost of debt, preference shares, equity capital and retained earnings

CO4: understand dividend policies and dividend theories for better decision making

CO5: determine effective approaches of working capital management for effective utilisation of resources

BCH 502: FUNDAMENTALS OF ENTREPRENEURSHIP

Course Objective:

The course develop an entrepreneurial way of thinking among students. It enrich students with role of entrepreneur in economic development of India, process of conducting the entrepreneurial development programme, idea generation and opportunity assessment and familiarise them with project appraisal techniques to avail the opportunities and to become capable to face various challenges of enterprises

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO 1: understand role of entrepreneur in economic development of India

CO 2: learn process of conducting the entrepreneurial development procedure and various competencies

required for entrepreneurial growth.

CO 3: develop skill regarding idea generation and opportunity assessment.

CO 4: study project appraisal techniques to avail the opportunities and to become capable to face various challenges of enterprises

CO 5: determine social responsibility of an entrepreneur and initiatives taken by Government to develop and promote entrepreneurship start-ups.

BCH-503: SEMINAR ON SUMMER TRAINING REPORT

Course Objective:

The course develop skills about knowledge sharing, promote skills of group discussions and enhance presentation and communication skills

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: create skills about knowledge sharing

CO2: promote group discussions

CO3: enhance presentation and communication skills

CO4: improve knowledge and get updated to the latest technological developments

CO5: encourage the students to explore new areas relevant to the topic.

BCH 504: E-COMMERCE

Course Objective:

The course explore the coverage and delivery of electronic commerce education and facilitate the students to understand applications of B2B, B2C, C2C, B2G technologies, e-governance models, fundamental principles of e-commerce and online trading, EDI in governance and e-governance models to become competent to utilise a variety of tools of e-commerce.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO 1: comprehend knowledge regarding application of B2B, B2C, C2C, B2G technologies and e-governance models

CO 2: understand fundamental principles of e-commerce and online trading

CO 3: study EDI in governance to become competent to utilise a variety of tools of e-commerce

CO 4: determine e-governance models and private sector interface in e-governance

CO 5: understand the recent trends in e-commerce to survive in competitive environment

BCH 505: CONTEMPORARY ACCOUNTING-I

Course Objective:

The course acquaint the students with evolution and development of basic accounting equation, international financial reporting standards (IFRS), price level accounting and human resources accounting.

Course Learning Outcomes:

After completion of this course the students shall be able to:

CO1: understand the meaning of accounting standards and their implications

CO2: examine the process of setting of accounting standards and IFRS

CO3: develop insight into price level accounting and guidelines of ICAI on price level accounting

CO4: familiarize with human resource accounting and HRA practices by Indian companies

CO5: Learn about the social accounting and social disclosure practices

BCH 506: PRODUCT AND BRAND MANAGEMENT

Course Objective:

The objective of the course is to give a basic understanding on product and brand management along with various strategies used to develop and manage products.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: Understand the fundamental concepts of product development

CO2: Identify and discuss the variables that drive the success of new products

CO3: Learn about product mix and product life cycle

CO4: Describe the importance, application and implementation of product branding

CO5: Analyze various aspects of brands and their management

BCH 507: ADVERTISING AND MEDIA

Course Objective:

The course aims to provide knowledge regarding importance and role of advertising along with effective advertisement management, campaign planning and role of media in advertising.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO 1: understand the role of advertising in the business world.

- CO 2: learn the concept of advertising budget and campaign planning.
 CO 3: evaluate the advertising effectiveness with various methods of measurement.
 CO 4: explore the ethical aspects of advertising along with the role of ASCI.
 CO 5: identify the various types of advertising media and its planning.

BCH-508: FINANCIAL INSTITUTIONS AND MARKETS

Course Objective:

The course familiarise students with role and components of financial system, financial regulators in India, role of financial institutions in economic development and overview of money and capital markets of India.

Course Learning Outcomes:

After completing the course, the students shall be able to:

- CO1: study role and components of financial system
 CO2: understand financial regulators in India
 CO3: evaluate role of financial institutions in economic development
 CO4: examine an overview of money and capital markets of India
 CO5: determine the role of Central Bank in money market

BCH 509: INVESTMENT MANAGEMENT

Course Objective:

This course aims to provide fundamental knowledge of traditional and modern investment avenues available to investors. It develops skills to understand the concept of fundamental and technical analysis.

Course Learning Outcomes:

After completion of this course the students shall able to:

- CO1: Describe the various investment opportunities for the personal growth and development
 CO2: Evaluate the risk involved in investment.
 CO3: Describe the various factors affecting the investment decisions of the businesses
 CO4: Understand relationship between risk and return in the market
 CO5: Evaluate the fundamental analysis and technical analysis.

BCH 510: MANAGING INDUSTRIAL RELATIONS

Course Objective:

The course aims to enable the students to understand the concept of Industrial relations and its various aspects along with grievance mechanism.

Course Learning Outcomes:

After completing the course, the students shall be able to:

- CO1: understand various aspects of industrial relations, its components and approaches.
 CO2: describe the evolution of trade unions and their structure.
 CO3: explain the grievance redressal procedure and settlement machinery of industrial dispute.
 CO4: learn the stages and process of collective bargaining.
 CO5: gain knowledge regarding industrial laws.

BCH 511: TRAINING AND DEVELOPMENT

Course Objective:

The objective of the course is to impart knowledge of training and development techniques prevalent in business. To study the importance and implications of management development programmes.

Course Learning Outcomes:

After completing the course, the students shall be able to:

- CO1: understand the role of training and development in human resource management.
 CO2: explain the training needs of an organization.
 CO3: assess, design and implement various methods of training
 CO4: analyses of the importance of training evaluation.
 CO5: understand the various perspectives of training and development in India and abroad

SEMESTER- VI

BCH 601: INDIRECT TAXES

Course Objective:

The course provide basic understanding of basic of principles and provisions of indirect taxes, conceptual knowledge of Goods and Services Tax Act and Custom Act. It also familiarize students with various provisions regarding input tax credit, calculation and payment of GST and enable them to file GST returns, to equip with provisions regarding refunds and penalties

Course Learning Outcomes:

After completing the course, the students shall be able to:

- CO 1: acquire conceptual and theoretical knowledge about basic of Goods and Services Tax Act and Custom Act.
 CO 2: understand basic of principles and provisions of indirect taxes

CO 3: learn various provisions regarding input tax credit

CO 4: understand calculation and payment of GST

CO 5: study filing of GST returns, refunds and penalties

BCH-602: CORPORATE GOVERNANCE AND SOCIAL RESPONSIBILITY OF BUSINESS

Course Objective:

The course provide knowledge about the role of corporate governance in business and its mechanism, corporate governance and business ethics, helps to understand global perspective of corporate governance and study the role of corporate social responsibility in business expansion.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: understand corporate governance mechanism

CO2: determine role played by regulators to improve corporate governance

CO3: learn corporate governance and business ethics

CO4: analyse global perspective of corporate governance

CO5: study corporate social responsibility

BCH-603: SEMINAR ON CURRENT BUSINESS ISSUES

Course Objective:

The course help students to gain knowledge, share ideas and exchange views, and enhance presentation skills on respective theme and to train the students to understand business challenges and opportunities prevailing in the economy.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: analyse business challenges and opportunities prevailing in the economy

CO2: develop critical thinking in the management of technology

CO3: study venture capital and finance of innovation

CO4: analyse international strategic management

CO5: develop skill and confidence in students

BCH 604: ADVANCED BANKING AND INSURANCE MANAGEMENT

Course Objective:

The course helps students to gain knowledge regarding banking and insurance sector in India along with their functioning and regulatory provisions.

Course Learning Outcomes:

After completion of this course the students shall be the able to:

CO1: understand the evolution and structure of Indian banking system

CO2: determine the role of commercial banks and Reserve Bank of India

CO3: appraise the KYC norms for banker-customer relationship

CO4: gain knowledge about concept of insurance and grievance redressal platform

CO5: analyse the impact of privatisation on insurance sector

BCH 605: CONTEMPORARY ACCOUNTING-II

Course Objective:

The course aims to provide knowledge about accounts of non-profit organisations along with the concepts of forensic accounting and auditing. Students shall also explore about corporate reporting practices and their significance.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: understand accounting for non-profit organization and government organizations

CO2: describe the meaning, nature and scope of forensic accounting

CO3: explain the concept and techniques of forensic audit

CO4: understand the essentials of a good report along with interim reporting practices

BCH 606: E-MARKETING

Course Objective:

The course aims to enable the students to understand the concepts, importance, tools and distribution system in e-marketing.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: understand the concepts and functions and strategies of e-marketing

CO2: describe e-marketing environment, privacy and security concerns related to e-marketing

CO3: evaluate online consumer behaviour and e-market segmentation

CO4: explain distribution system in e-marketing, functions of intermediaries

CO5: learn regarding online customer relationship management

BCH 607: CONSUMER BEHAVIOUR

Course Objectives:

The course aims to provide thorough understanding on consumer buying behaviour and the factors that influence the consumer decision on buying behaviour.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: understand the concepts of consumer behavior and its determinants.

CO2: explain the motivational and personality aspects influencing consumer behavior.

CO3: explain the perceptual and attitudinal factors influencing consumer behavior.

CO4: examine the dynamics of consumer behavior and factors that influence the consumers' decisions.

CO5: acquaint with the communication and consumer decision making.

BCH 608: MANAGEMENT OF FINANCIAL SERVICES

Course Objectives:

The course enable the students to understand the concepts, mechanism and utility of different financial services.

Course Learning Outcomes:

After completing the course, the students shall be able to:

CO1: gain disciplinary knowledge about the financial services.

CO2: develop professional and application skills regarding merchant banking.

CO3: examine the concept of venture capital, leasing services and credit rating system in India.

CO4: analyse the performance of mutual funds in India.

CO5: acquaint themselves regarding digital literacy and present scenario of plastic money in india.

BCH 609: SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Course Objective:

The course aims to enable the students to develop an understanding of securities analysis and portfolio management along with risk return analysis and portfolio theories.

Course Learning Outcomes:

After studying this course the students shall be able to:

CO1: Understand the investment management process involved in management decisions

CO2: Describe the role of investment avenues in business environment

CO3: Apply the fundamental values for deciding to buy, sell or hold securities

CO4: Compute the figures for portfolio investments using different models

CO5: Evaluate the portfolios by using performance indices

BCH 610: INTERPERSONAL SKILLS IN MANAGEMENT

Course Objective

The course aims to make students aware regarding interpersonal skills and its use in effective decision making.

Course Learning Outcomes

After completion of this course the students shall be the able to:

CO1: Understand the concept and significance of interpersonal skills

CO2: Learn about self-assessment, its need and techniques

CO3: Describe the interpersonal communication process and interpersonal skills for the digital world

CO5: Get knowledge about team work skills and creating high performance teams

CO6: Analyse group problem solving and transaction analysis

BCH 611: INTERNATIONAL HUMAN RESOURCE MANAGEMENT

Course Objective:

The course aims to make students aware of the International Human Resource Perspectives that may be required while dealing with the international work environment, people and problems.

Course Learning Outcomes:

After completing the course, the students will be able to:

CO 1: understand the International level human resource management practices and policies

CO 2: describe the practices relating to recruitment and selection at international level

CO 3: analyze training and development and international compensation management aspects

CO 4: identify various career websites and international cultural aspects

CO 5: familiarize with various aspects of industrial relations at national and international level

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

5. To prepare the graduate students for setting up their career in the field of Commerce.
6. To provide basic and advanced learning to the graduates for making them capable for professional and business work environment

7. To make the students a ready workforce by achieving the proficient standards in the international business milieu.
8. To enable the graduates to apply the gained knowledge for business decision making.

PROGRAMME OUTCOMES (PO) UG

- Graduates will be able to comprehend the adequate knowledge about the concepts, principles and tools required for effective business skills.
- Students will be able to gain a thorough and logical understanding in fundamentals of commerce to enable them to avail more career opportunities.
- The students will be able to cope with latest development in commerce and business at national and global level.
- The students will be able to make themselves ready to face the modern-day challenges in business world and will be made equipped with practical exposure in the field of commerce.

PROGRAM SPECIFIC OBJECTIVES (PSO)

- The students will be able to learn quantitative and qualitative knowledge regarding soft skills, business, management, accounting, finance, banking, insurance, law, taxation, statistics, business mathematics, entrepreneurship, marketing, human resource, economics along with the basic knowledge of computer.
- The students will be able to apply the theoretical concepts into various business situations and will be able to develop awareness about environment, and will be sensitized for human values gender issues and ethical conduct required to run a sustainable business.
- The students will be able to implement the gained knowledge in enhancing their requisite job skills as businessmen, entrepreneurs, accountants, bankers, managers, auditors, consultants, statisticians, financial analysts and economists.

B.Com. - I (Semester I)

BCOM 102: FINANCIAL ACCOUNTING

Course Objective:

The student will be able to acquire conceptual knowledge vis-a-vis understanding principles and theory of the financial accounting and develop skills for recording various kinds of business transactions while practicing accounting ethics.

Course Learning Outcomes:

After this course, the students shall be able to:

- CO1:** Understand the meaning and identify the scope and utility of accounting in an information system.
- CO2:** Comprehend various accounting principles and their implications while accounting.
- CO3:** Apply critical thinking and develop computing skills while handling problems in financial accounting.
- CO4:** Evaluate the significance of depreciation in financial statements
- CO5:** Identify reasons and apply logic to reconcile pass book and cash book
- CO6:** Prepare final accounts, bank reconciliation statement and partnership accounts.
- CO7:** Develop insight into quantitative and qualitative role of financial accounting and its place in providing sound business foundations.

BCOM 103: BUSINESS ORGANISATION AND MANAGEMENT

Course Objective: The paper aims to provide basic knowledge to the students about the organization and management of a business enterprise. The subject has potential to explore hidden instincts of managerial capability of a student and provides opportunity to develop required skills for a successful manager.

Course Learning Outcomes:

After studying Business organization, its meaning, structure, planning and its operational and functional areas of management, the students shall be able to:

- CO1:** Learn managerial skills to understand, organize and operate various kinds of business organization.
- CO2:** Explain and integrate management thoughts of FW Taylor, Henry Fayol, Elton Mayo and Peter Drucker.
- CO3:** Analyze the relationship amongst functions of management i.e., planning, organizing, directing and controlling
- CO4:** Generalize theories of motivation and leadership styles for effective direction.
- CO5:** Imbibe leadership qualities and skills required for a successful enterprise.
- CO6:** Identify and carryout effective control system.
- CO7:** Evaluate the role of creativity in decision making
- CO8:** Relate and map various components of management to different business structures.

SEMESTER-II

BCOM 201: HUMAN VALUES AND PROFESSIONAL ETHICS

Course Objective: The subject will enable students to understand the need and importance of human values. It will also provide basic knowledge about professional values and professional code for ethical decision making.

Course Learning Outcomes:

After this course the students shall be able to:

CO1: Understand business ethics and professional ethics.

CO2: Value professional ethics required to run businesses in modern era.

CO3: Acquire knowledge of varied approaches required for ethical decision making.

CO4: Learn value based holistic management by distinguishing ethical and unethical practices in Marketing, Finance and HRM.

BCOM202: BUSINESS LAW

Course Objective: The objective of the course is to introduce various business laws and to build legal outlook. Basis knowledge of The Indian Contract Act, 1872; Negotiable Instruments Act and Consumer Protection Act, 1986, will develop student's legal acumen.

Course Learning Outcomes:

After this course, the students shall be able to:

CO1: Understand general and specific provisions of Indian Contract Act, 1872

CO2: Explain various provisions dealing with Negotiable Instruments

CO3: Describe legal remedies available to consumers under Consumer Protection Act, 1986

CO4: Comprehend impact of the various mercantile acts on business transactions in India.

CO5: Observe the essentials of lawful behaviour in business world.

CO6: State, retrieve, infer and determine legal position of business transactions

BCOM 203: COMPUTERISED ACCOUNTING

Course Objective: The objective of this paper is to help students to acquire conceptual knowledge of the computerised accounting and to impart skills for recording and maintenance of various kinds of business transactions using accounting software.

Course learning outcomes:

After this course, the students shall be able to:

CO1: Gain knowledge regarding the concept of computerised accounting and its development.

CO2: Enhance their practical knowledge regarding preparation of books of accounts with the help of Tally Prime Accounting software.

CO3: Create ledgers, groups and vouchers through Account Masters.

CO4: Acquire skill related to inventory management.

CO5: Generate and Print results in the form of accounting reports and statements.

CO6: Extrapolate the role and process of auditing in computerized accounting.

SEMESTER III

BCOM 301: COMPANY LAW AND AUDITING

Course Objective

The course aims to impart the working knowledge of the legal framework within which a company has to operate in India maintaining its legal, disciplinary and ethical status in congruence with the law. This course also aims to provide knowledge of auditing principles and procedures in accordance with current legal requirements in India.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Gain knowledge regarding company and its legal status in the eyes of law.

CO2: Enhance their professional skills involved in the formation of company from promotion to incorporation.

CO3: Describe the role of Board of Directors along with the procedure for convening various company meetings fostering teamwork.

CO4: Develop problem solving skill while analyzing various modes of winding up of a company.

CO5: Acquire critical thinking while learning concepts of audit, role of company auditors and preparation of audit reports.

BCOM 302: CORPORATE ACCOUNTING

Course Objective

The objective of this course is to develop professional knowledge regarding the accounting treatment and reporting practices in different forms of companies as per the pertinent acts in India.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Develop the understanding of accounting treatment of issue, forfeiture and reissue of shares.

CO2: Apply accounting provisions and methods for redemption of preference shares and debentures.

CO3: Comprehend valuation of shares and goodwill using various methods.

CO4: Analyze the accounting data required for preparing final accounts of companies.

CO5: Explain the procedure of company liquidation for preparing accounting records.

BCOM 303: COMPUTER APPLICATIONS IN BUSINESS

Course Objective

The course aims to bring professional proficiency among students in application of computer in business operations and to make them capable of better communication through presentations and enhancing their soft skills.

Course Learning Outcomes: After completion of this course the students shall be able to:

CO1: Develop working knowledge about computer and its development throughout various generations.

CO2: Enhance their application skill while understanding functioning of various input and output devices.

CO3: Acquaint themselves about the types of storage and their uses.

CO4: Gain familiarity regarding Windows operating system, its features and usage.

CO5: Attain the practical knowledge of Ms-Word, Ms-PowerPoint and Ms-Excel and learn presentation skills.

BCOM 304: (A) BUSINESS MATHEMATICS AND STATISTICS

Course Objective

This paper enables the students to perform operations on matrices and apply them to collect, organize and represent data to demonstrate several approaches to basic problem solving and implement those strategies.

Course Learning Outcomes: After completing the course, the students shall be able to determine:

CO 1: Discuss the scope and function of statistics.

CO 2: Understand matrices and determinants for reflective thinking.

CO 3: Understand types and methods of correlation for experiential learning.

CO 4: Study types and properties of regression.

BCOM 304: (B) MARKETING MANAGEMENT

Course Objective

The course aims to provide basic knowledge of concepts, principles, and techniques of marketing along with the recent developments in the field of marketing. The course also aims at developing creative solutions to various marketing problems.

Course Learning Outcomes

After completing the course, the learners shall be able to:

CO1: Understand fundamental marketing concepts and analyze marketing environment.

CO2: Identify and describe the major basis of market segmentation, Targeting and Positioning.

CO3: Analyze the process of marketing decisions involving product development, product price, place and promotion.

CO4: Examine the process of product distribution and its role in creating communication value for customers.

CO5: Gain knowledge regarding various developments in marketing area that may govern ethical and legal issues related to marketing.

BCOM 304: (C) BUSINESS ECONOMICS

Course Objective

The course aims to acquaint the students with economic concepts, laws and theories that aid in developing decision making skills in business administration and management.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Gain knowledge regarding fundamental concepts of economics and develop their ability to explain core economic terms, theories, laws and principles.

CO2: Develop reflective understanding of consumer behavior through utility approach

CO3: Examine the market structure of the economy and analyze the behavior of firms with respect to different market situations.

CO4: Identify the determinants of national income, inflation and business cycles.

CO5: Apply economic theories and principles to provide solution to a number of real-life business issues.

SEMESTER IV

BCOM 401: INCOME TAX LAW AND PRACTICE

Course Objective

The course aims to familiarize students with the knowledge of various provisions of income tax law in India to enable them to apply such provisions to compute total income and tax liability. It also aims to inculcate the skills of problem solving and decision making among students to enable them to be tax planners and analysts.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Understand the structure of Indian Taxation system and various concepts of taxation.

CO2: Compute income under different heads, applying the charging provisions, exemptions and

deductions.

CO3: Apply the clubbing provisions and provisions relating to set-off and carry forward of losses to determine the gross total income;

CO4: Develop ability to calculate the tax liability of an assessee to determine the total income.

CO5: Comprehend the provisions relating to filing of return of income.

BCOM 402: COST ACCOUNTING

Course Objective

The course aims to develop understanding among learners about cost concepts and rational approach towards cost systems and cost ascertainment. The course also aims to provide knowledge about various methods of cost determination under specific situations and to acquire the application skill to use information determined through cost accounting for decision making purpose.

Course Learning Outcomes: After the completion of the course, the students will be able to:

CO1: Understand the cost accounting system, various techniques and methods of cost accounting.

CO2: Develop the analytical skill to prepare cost sheet after considering various expenses in purview with cost accounting.

CO3: Prepare store ledger using various methods of issuing material.

CO4: Compute cost of labour using various methods of wage payment.

CO5: Prepare statement showing allocation and apportionment of overheads.

BCOM 403: ENTREPRENEURSHIP

Course Objective

The purpose of this course is to create entrepreneurial awareness among students and to inculcate the entrepreneurial skills in them by developing their creative thinking and decision making ability. The course also aims to orient the students towards choosing entrepreneurship as a career option.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Acquire necessary knowledge regarding the concept of entrepreneurship by considering various approaches regarding it.

CO2: Gain professional knowledge regarding business incorporation and business ideas generation.

CO3: Develop the ability of analyzing various entrepreneurial development programmes and their elements.

CO4: Demonstrate the need of various competencies required for entrepreneurial growth.

CO5: Examine the role of development banks and specialized institutions in entrepreneurship development.

CO6: Gain practical knowledge about starting and managing business venture.

BCOM 404: (A) OPERATIONS RESEARCH

Course Objective

The course aims to introduce the learners with practical knowledge of business intelligence and data analytics executed in the business world. The objective of the course is to develop business analytics ideas, analyse data using data mining techniques and its application to business decision making.

Course Learning Outcomes: After the completion of the course, the learners will be able to:

CO1: Understand the need of using OR as a quantitative approach for effective decision making.

CO2: Be familiar with various definitions of OR, characteristics and significance of practical implementation.

CO3: Apply quantitative methods & techniques, model formulation and solving business problems.

CO4: Evaluate and apply textual data and interpret the results for business decision making.

CO5: Enable to use of modeling tools and computational tools, as well as analytic skills to evaluate the problems.

BCOM 404: (B) HUMAN RESOURCE MANAGEMENT

Course Objective

The main objective of this course is to familiarize students with basic principles and techniques of human resource management. The course also aims to make the students capable to assess, evaluate, and apply human resource management techniques in order to address problems arising in managing human resources in the organizations.

Course Learning Outcomes: After the completion of the course, the students will be able to:

CO1: Demonstrate an awareness of HR Management system at various levels in general as well as certain specific organizations.

CO2: Identify their analytical skill to manage the key issues related to work life balance, human resource planning and job analysis.

CO3: Develop the ability to design incentive schemes for different job roles in an organization.

CO4: Apply different kinds of training and development strategies in real life situations.

CO5: Create HR policies related to grievance redressal, employee health, safety, welfare, and their social security in an organization.

BCOM 404: (C) E-COMMERCE

Course Objective

This course aims to provide adequate understanding about e-commerce concepts and principles and help them to possess knowledge regarding the mechanism of conducting business through electronic means.

Course Learning Outcomes: After the completion of the course, the students will be able to:

CO1: Develop an understanding of e-commerce concept and its various aspects.

CO2: Describe and analyze e-commerce activities and its applications areas.

CO3: Comprehend knowledge regarding the application of B2B, B2C, B2G technologies and e-governance models.

CO4: Ascertain the role of EDI and e-governance in business Organisations.

CO5: Identify key security issues involved in e-commerce environment.

SEMESTER V

BCOM 501: MANAGEMENT ACCOUNTING

Course Objective

To impart knowledge about the concepts, principles and techniques of management accounting and its applicability and role in decision making.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Understand the nature and objectives of management accounting

CO2: Describe the role of Management Accounting in Decision Making

CO3: Explain the meaning, significance, types and limitations of Financial Statements

CO4: Calculate and Analyze the Ratios, Fund Flow Analysis and Cash Flow Analysis

CO5: Learn Budgeting, types of budgets and budgeting process

CO6: Understand the decision making, its process and types of decisions.

BCOM 502: WORKSHOP ON PERSONALITY DEVELOPMENT

Course Objective

The objective of the course is to help the students to acquire the basics skills to improve their personality and communication skills. It will also help the students to understand about stress and time management.

Course Learning Outcomes

After completion of this course the students shall learn:

CO1: Understand the basic personality traits

CO2: To identify and resolve the mental blocks

CO3: To handle the stress and manage their time

CO4: The Importance of Communication, Resume Writing and Interview Skills

CO5: Public Speaking, Group Discussion, Report Writing, Teleconferencing and Videoconferencing

CO6: Types and uses of Visual Aid, Meeting Skills, Media Management, and Business Etiquettes

BCOM 504: BANKING AND INSURANCE

Course Objective

To impart knowledge regarding Banking and Insurance Sector in India along with their functioning and regulatory provisions.

Course Learning Outcomes

After completion of this course the students shall be the able to:

CO1: Understand the evolution and structure of Indian Banking System

CO2: Learn the nature and functions and role of commercial banks

CO3: Describe the functioning of RBI and its Monetary Policy.

CO4: Appraise the KYC norms for banker-customer relationship and working of E-Banking.

CO5: Get knowledge about concept of insurance, types and principles

CO6: Analyse the impact of privatisation on Insurance Sector.

BCOM 505: CONTEMPORARY ACCOUNTING I

Course Objective

The course aims to enhance the learning of students regarding the basic process of developing the accounting standards and their uses. It will broaden their knowledge about emerging areas of accounting and their practical implications in India.

Course Learning Objectives

After completion of this course the students shall be able to:

CO1: Understand the meaning of accounting standards and their implications.

CO2: Describe the process of setting of Accounting Standards and IFRS.

CO3: Explain the Price Level Accounting and guidelines of ICAI on Price Level Accounting.

CO4: Familiarize with Human Resource Accounting and HRA practices by Indian companies.

CO5: Learn about the Social Accounting and social disclosure practices.

BCOM 506: PRODUCT AND BRAND MANAGEMENT

Course Objective

The objective of the course is to give a basic understanding on Product and Brand Management along with various strategies used to develop and manage products.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the fundamental concepts of product development.

CO2: Identify and discuss the variables that drive the success of new products.

CO3: Learn about product mix and product life cycle.

CO4: Describe the importance, application and implementation of product branding.

CO5: Analyze various aspects of brands and their management.

BCOM 507: ADVERTISING AND MEDIA

Course Objective

The course aims to provide knowledge regarding importance and role of advertising along with effective advertisement management, campaign planning and role of media in advertising.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO 1: Understand the role of advertising in the business world.

CO 2: Learn the concept of advertising budget and campaign planning.

CO 3: Evaluate the advertising effectiveness with various methods of measurement.

CO 4: Explore the ethical aspects of advertising along with the role of ASCI.

CO 5: Identify the various types of advertising media and its planning.

BCOM 508: FINANCIAL MANAGEMENT

Course Objective

This course aims to familiarize the students with different aspects of financial management and its applications in financial decisions.

Course Learning Outcomes

From this course the students shall learn to:

CO1: Understand the Financial Management, Finance Function and its usage in financial decisions

CO2: Capital Budgeting

CO3: Compute the Cost of Debt, Preference Shares, Equity Capital and Retained Earnings

CO4: Execute the Operating and Financial Leverage and its measurement

CO5: Estimate the Working Capital requirements and its management and its role in decision making

CO6: Determine the effective approach for Financing of Current Assets

BCOM 509: FINANCIAL MARKET OPERATIONS

Course Objective

To provide basic knowledge regarding concepts of financial market (primary and secondary markets) and role of SEBI to regulate secondary market and various functionaries on stock exchanges.

Course Learning Outcomes

After completion of this course the students shall be able to:

CO1: Understand the role and functions of financial market

CO2: Describe the structure of money and capital markets

CO3: Learn the guidelines given by SEBI and RBI and their functions

CO4: Explain the working of stock exchanges and global financial system

CO5: Application of depository system in trading aspects

BCOM 510: MANAGING INDUSTRIAL RELATIONS

Course Objective

The course aims to enable the students to understand the concept of Industrial relations and its various aspects along with grievance mechanism.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand various aspects of industrial relations, its Components and approaches.

CO2: Describe the evolution of trade unions and their structure.

CO3: Explain the grievance redressal procedure and settlement machinery of industrial dispute.

CO4: Learn the stages and process of collective bargaining.

CO5: Have knowledge regarding industrial laws.

BCOM 511: TRAINING AND DEVELOPMENT

Course Objective

The objective of the course is to impart knowledge of training and development techniques prevalent in business. To study the importance and implications of management development programmes.

Course Learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the role of training and development in human resource management.

CO2: Explain the training needs of an organization.

CO3: Assess, design and implement various methods of training

CO4: Analyses of the importance of Training Evaluation.

CO5: Understand the various perspectives of Training and Development in India and Abroad

SEMESTER VI**BCOM 601: INDIRECT TAX LAWS****Course Objective**

This course aims to enable the students to understand the concept, utility and mechanism of Goods & Service Tax (GST) applicable in India along with the Custom Act 1962.

Course Learning Outcomes

After studying this course the students shall be able to:

CO1: Understand about indirect taxes, their nature and types

CO2: Identify the rules and regulations followed under GST regime

CO3: Understand the GST models and GST council

CO4: Compute the receipts and payments under GST

CO5: Recognize the provisions of GST and tax credit system

CO6: learn about the filling of returns, refunds, offences and penalties under GST

BCOM 602: SEMINAR ON GOVERNANCE, ETHICS AND SOCIAL RESPONSIBILITY OF BUSINESS**Course Objective**

The objective of the seminar is to sensitise the students about various Corporate Issues on Governance, Ethics and Social Responsibility in Business.

Course Learning Outcomes

From this course the students shall learn to:

CO1: Describe the professional ethics and ethical behaviour of managers

CO2: Evaluate the role of ethics in decision making and corporate governance

CO3: Apply the ethical models that forms the basis for corporate governance

CO4: Describe the importance of corporate social responsibility

CO5: Recognize the need of Corporate Code of Conduct

CO6: Exemplify the various scams and challenges under corporate environment

BCOM 604: MONEY AND FINANCIAL INSTITUTIONS**Course Objective**

To impart knowledge regarding the concept of money, money markets and financial institutions working in India.

Course Learning Outcomes

This course will make the students competent to:

CO1: Understand the concept and types of money

CO2: Examine the role of financial institutions and their basic components

CO3: Explain the framework of institutions and money market

CO4: Justify the supply chain of money for the circulation in business and markets

CO5: Describe the provisions issued by regulatory bodies

CO6: Understand the various funds and fees applicable on different institutions

BCOM 605: CONTEMPORARY ACCOUNTING II

Course Objective: The course aims to provide knowledge about accounts of non-profit organisations along with the concepts of forensic accounting and auditing. Students shall also explore about corporate reporting practices and their significance.

Course Outcomes:

After completing the course, the students shall be able to:

CO1: Understand accounting for Non-Profit Organization and Government Organizations

CO2: Describe the meaning, nature and scope of Forensic Accounting.

CO3: Explain the concept and techniques of Forensic Audit.

CO4: Understand the essentials of a good report along with Interim Reporting Practices.

CO5: Analyze the corporate financial reporting and recent trends in Corporate Reporting in India.

BCOM 606: E- MARKETING

Course Objective: The course aims to enable the students to understand the concepts, importance, tools and distribution system in e-marketing.

Course Outcomes

After completing the course, the students shall be able to:

CO1: Understand the concepts and functions and strategies of e-marketing

CO2: Describe e-marketing environment, privacy and security concerns related to e-marketing

CO3: Evaluate online consumer behaviour and e-market segmentation

CO4: Explain distribution system in e-marketing, functions of intermediaries

CO5: Learn regarding online customer relationship management.

BCOM 607: CONSUMER BEHAVIOUR

Course Objectives: To provide a thorough understanding on consumer buying behavior and the factors that influence the consumer decision on buying behavior.

Course learning Outcomes

After completing the course, the students shall be able to:

CO1: Understand the concepts of consumer behavior and its determinants.

CO2: Explain the motivational and personality aspects influencing consumer behavior.

CO3: Explain the perceptual and attitudinal factors influencing consumer behavior.

CO4: Examine the dynamics of consumer behavior and factors that influence the consumers decisions

CO5: Acquaint with the communication and consumer decision making.

BCOM 608: FUNDAMENTALS OF INVESTMENT

Course Objective

This course aims to provide fundamental knowledge of investment and different avenues of investment available to investors and valuation of securities. It will also make them understand the concept of derivatives, mutual funds and the investments through small savings.

Course Learning Outcomes

After completion of this course the students shall able to:

CO1: Describe the various investment opportunities for the personal growth and development

CO2: Evaluate the small saving options and their role

CO3: Describe the various factors affecting the investment decisions of the businesses

CO4: Understand the role of derivatives and its participants in the market

CO5: Evaluate the measurement techniques of investment options

BCOM 609: SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Course Objective

The course aims to enable the students to develop an understanding of securities analysis and portfolio management along with risk return analysis and portfolio theories.

Course Learning Outcomes

After studying this course the students shall be able to:

CO1: Understand the investment management process involved in management decisions

CO2: Describe the role of investment avenues in business environment

CO3: Apply the fundamental values for deciding to buy, sell or hold securities

CO4: Compute the figures for portfolio investments using different models

CO5: Evaluate the portfolios by using performance indices

CO6: Predict the movement of stock by using the appropriate techniques

BCOM 610: INTERPERSONAL SKILLS IN MANAGEMENT

Course Objective

The course aims to make students aware regarding interpersonal skills and its use in effective decision making.

Course Learning Outcomes

After completion of this course the students shall be the able to:

CO1: Understand the Concept and significance of interpersonal skills.

CO2: Learn about self-assessment, its need and techniques.

CO3: Describe the interpersonal communication process and interpersonal skills for the digital world.

CO5: Get knowledge about team work skills and creating high performance teams.

CO6: Analyse group problem solving and transaction analysis.

BCOM 611: INTERNATIONAL HUMAN RESOURCE MANAGEMENT

Course Objective: The course aims to make students aware of the International Human Resource Perspectives that may be required while dealing with the international work environment, people and problems.

Course Learning Outcomes

After completing the course, the students will be able to:

- CO 1:** Understand the International level Human Resource Management Practices and Policies.
CO 2: Describe the practices relating to recruitment and selection at international level.
CO 3: Analyze training and development and International Compensation Management aspects.
CO 4: Identify various career websites and International cultural aspects.
CO 5: Familiarize with various aspects of Industrial Relations at national and international level.

B.A. (HONOURS) SOCIAL SCIENCES

PROGRAMME OUTCOME-(PO) -B.A. (HONOURS) SOCIAL SCIENCES

After Successful completion of this course, the students will be able to:

- ✓ Get interdisciplinary approach of humanities and social sciences and will be able develop their holistic knowledge towards it.
- ✓ Acquire empirical knowledge of social, political, economic and geographical aspects of human experience.
- ✓ Develop strong research and analytical skills, reasoning ability and writing skills that benefit them in multiple career paths.
- ✓ Apply the gained knowledge in getting their desired jobs such as UPSC, PPSC, SSC, PPS and get admissions in any Masters Program and law courses.

PROGRAMME SPECIFIC OUTCOME (PSO-1)

B.A. (HONOURS) SOCIAL SCIENCE-I

After Successful completion of this course, the students will be able to:

- ✓ Enhance their ability to communicate effectively with others in a spirit of openness and cooperation.
- ✓ Understand five key Social Science subjects- Sociology, Political Science, History, Geography and Public Administration.
- ✓ Understand the deeper and essential relationships between things, development and events with the help of theories and concepts in Social Science.

COURSE OUTCOME (CO)

BHSOS-101 – ENGLISH (Communicative English) I

After Successful completion of this course, the students will be able to:

- Introduce themselves to the social significance of English Language
- Develop writing skills to suit general social occasions
- Build vocabulary to gain language proficiency

COURSE OUTCOME (CO)

BHSOS-102 – PUNJABI COMULSORY

- ✓ ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਦੋ ਵਿਧਾਵਾਂ ਕਵਿਤਾ ਅਤੇ ਨਾਵਲ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
- ✓ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਜਿੱਥੇ ਸਮਾਜਿਕ ਵਰਤਾਰਿਆਂ ਨੂੰ ਵਧੇਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ ਉਥੇ ਨਾਵਲ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਭਾਸ਼ਾ ਅਤੇ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
- ✓ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਸੰਸਾਰ ਦੀਆਂ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਸ਼ੁੱਧ ਰੂਪ ਵਿਚ ਬੋਲਣ, ਸਿੱਖਣ ਅਤੇ ਲਿਖਣ ਦਾ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋ ਜਾਂਦਾ ਹੈ।
- ✓ ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਖਿੱਤੇ ਵਿੱਚ ਬੋਲੀਆਂ ਜਾਣ ਵਾਲੀਆਂ ਪੰਜਾਬੀ ਦੀਆਂ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਰਾਹੀਂ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।
- ✓ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਗਲਪ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO)

BHSOS-102 A – PUNJABI COMULSORY (MUDLA GYAN/ Elementary Punjabi)

- ✓ ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਵਰਤਣ ਵਾਲੀ ਲਿਪੀ (ਵਰਣਮਾਲਾ) ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
- ✓ ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਬੋਲਣ, ਲਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
- ✓ ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

COURSE OUTCOME (CO)

BHSOS-103 – GENERAL STUDIES-I (HISTORY OF INDIA UP TO 1000 A.D.)

- ✓ This paper allows the students to understand where we have come from and why we are here, and by doing so, shows us how the ancient attempts to shape their future relate to our own actions in the present day.
- ✓ It helps to understand the salient features of Indus Valley Civilization, of Buddhism and Jainism.
- ✓ It visualize the administration of Mauryas , Guptas and Vardhanas.

COURSE OUTCOME (CO)**BHSOS-105 – WORKSHOP ON COMPUTER APPLICATIONS AND TECHNOLOGY**

After Successful completion of this course, the students will be able to:

-) Develop a basic understanding of computer hardware and software.
-) Apply logical skills to programming in a variety of languages.
-) Demonstrate basic understanding of network principals.
-) Utilize web technologies.
-) Get the basic knowledge about security tools.

COURSE OUTCOME (CO) –**BHSOS-106, POLITICAL SCIENCE (MAJOR CONCEPTS)**

After Successful completion of this course, the students will be able to:

-) Develop the capability to formulate and construct logical arguments about political Phenomena.
-) Analyze and explain the approaches and concepts of political science
-) Develop critical thinking towards political events.

COURSE OUTCOME (CO)**BHSOS-107 – HISTORY (HISTORY OF INDIA,1000 TO 1750 A.D.)**

-) In this paper, the history of Delhi sultanate is thoroughly described .
-) Students can gather knowledge regarding sultanate administration, social-cultural, political situation of Delhi under sultanate and the Mughals.
-) Students will also learn the history of the downfall of the mughals, the end of an era.

COURSE OUTCOME (CO)**BHSOS-108 – PUBLIC ADMINISTRATION (ADMINISTRATIVE THEORY)**

-) Awareness about the evolution and growth of the discipline of Public Administration.
-) Learning of basic principles and approaches of Public Administration.
-) Theoretical clarity of basic concepts and dynamics (both ecological and others) relating to public organizations.
-) Demonstrate critical thinking and communication skills as applied to the public and private sectors.

COURSE OUTCOME (CO)**BHSOS-109 – GEOGRAPHY (PHYSICAL GEOGRAPHY)**

Student will be able to

-) Understand the processes and patterns in the natural environment such as the atmosphere, hydrosphere and biosphere.
-) Understand where things are found, why they are there, and how they develop and change over time.
-) Gain knowledge about earth interior, develop an idea about concept of plate tectonics and resultant landforms

COURSE OUTCOME (CO)**BHSOS-110 – SOCIOLOGY (BASIC CONCEPTS OF SOCIOLOGY-I)**

Students will be able to:

-) Understand different types of social processes, their nature and role in society that whether they are integrated or disintegrated.
-) How does socialization occurs, its definition, agencies, importance and theories given by eminent sociologists like Cooley, Mead, Freud and Jean Piaget.
-) Meaning of social control, norms, values, laws and customs.
-) Get broad knowledge of the processes of social stratification. its merits and demerits, how society controls deviant behavior and theories that can help in this process.

COURSE OUTCOME (CO)**BHSOS-201 – ENGLISH (Communicative English) II**

After Successful completion of this course, the students will be able to:

- Develop a solid foundation on spoken language
- Develop writing skills to use appropriate language for official purposes.
- Build vocabulary to gain language proficiency

COURSE OUTCOME (CO)**BHSOS-202 – PUNJABI COMULSORY**

-) ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੀਆਂ ਦੋ ਵਿਧਾਵਾਂ ਕਵਿਤਾ ਅਤੇ ਨਾਵਲ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।

-)] ਵਿਦਿਆਰਥੀ ਸਾਹਿਤ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਜਿੱਥੇ ਸਮਾਜਿਕ ਵਰਤਾਰਿਆਂ ਨੂੰ ਵਧੇਰੇ ਚੰਗੀ ਤਰ੍ਹਾਂ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ ਉਥੇ ਨਾਵਲ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਭਾਸ਼ਾ ਅਤੇ ਸੰਰਚਨਾ ਨੂੰ ਸਮਝ ਕੇ ਆਪਣੀਆਂ ਰੁਚੀਆਂ ਦਾ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਸੰਸਾਰ ਦੀਆਂ ਹੋਰ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਸ਼ੁੱਧ ਰੂਪ ਵਿਚ ਬੋਲਣ, ਸਿੱਖਣ ਅਤੇ ਲਿਖਣ ਦਾ ਗਿਆਨ ਪ੍ਰਾਪਤ ਹੋ ਜਾਂਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਵੱਖੋ-ਵੱਖਰੇ ਖਿੱਤੇ ਵਿੱਚ ਬੋਲੀਆਂ ਜਾਣ ਵਾਲੀਆਂ ਪੰਜਾਬੀ ਦੀਆਂ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਰਾਹੀਂ ਵੱਖੋ-ਵੱਖਰੇ ਕਿੱਤਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਨੂੰ ਜਾਣਨ ਅਤੇ ਸਮਝਣ ਦੇ ਕਾਬਿਲ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਅਤੇ ਗਲਪ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO)

BHSOS 202 A – PUNJABI COMULSORY (MUDLA GYAN/ Elementary Punjabi)

-)] ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਵਰਤਣ ਵਾਲੀ ਲਿਪੀ (ਵਰਣਮਾਲਾ) ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਬੋਲਣ, ਲਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੇ ਸਮਰੱਥ ਹੁੰਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਰੋਜਾਨਾ ਪੰਜਾਬੀ ਜੀਵਨ ਵਿੱਚ ਵਰਤੀ ਜਾਣ ਵਾਲੀ ਸ਼ਬਦਾਵਲੀ ਬਾਰੇ ਗਿਆਨ ਹਾਸਿਲ ਕਰਨ ਦੇ ਯੋਗ ਹੁੰਦੇ ਹਨ।

COURSE OUTCOME (CO)

BHSOS-203 – GENERAL STUDIES-II (GEOGRAPHY OF INDIA)

Student will be able to

-)] Learn about Physical geography, Economic geography and Social geography of India.
-)] Understand Indian Physiographic divisions, Drainage, Climate, Vegetation, Natural Resources etc.
-)] Get knowledge about problems and prospect about agriculture and trade
-)] Aware the student about need of conservation and protection of natural resources.

COURSE OUTCOME (CO)

BHSOS-204 WORKSHOP ON REASONING AND ANALYTICAL ABILITY

After Successful completion of this course, the students will be able to:

-)] Enhance their analytical abilities and will helpful in competitive exams.
-)] Find solutions to common problems.
-)] Identify the core skills associated with critical thinking.

COURSE OUTCOME (CO)

BHSOS-205, POLITICAL SCIENCE (INDIAN POLITICAL SYSTEM)

After Successful completion of this course, the students will be able to:

-)] Gain knowledge about Institutional and Political Dynamics. It presents a systematic analysis of all the major dimensions of Indian Political System.
-)] Understand about the way, how Indian political system has been working and the way it shapes institutions in India.
-)] Evaluate the basic strengths and weaknesses of the Indian political system through the application of political concepts and ideas.

COURSE OUTCOME (CO)

BHSOS-206 – HISTORY (HISTORY OF INDIA,1750 TO 1885 A.D.)

-)] This paper deals with the advent of the Europeans in India and the policies followed by them to establish themselves in India.
-)] Students will be able to analyze the process of rise modern India and its foundation made by social reformer and freedom fighters.
-)] Students will know about the growth of press and modern education. It also deals with the circumstances of the times during Indian National Movement.

COURSE OUTCOME (CO)

BHSOS-207 – PUBLIC ADMINISTRATION (INDIAN ADMINISTRATION)

-)] Knowledge about the evolution and growth of Indian Administration and it also respond to the problems confronting Indian Society.
-)] Familiarity with the constitutional framework on which Indian Administration is based.
-)] Grasping the role of Union Executive.
-)] Understanding the in-built control mechanisms over constitutional bodies in particular and administration in general.
-)] Delineating the constitutional provisions and dynamics of union-state relationships.

COURSE OUTCOME (CO)

BHSOS-208 – GEOGRAPHY (GEOGRAPHY OF WEATHER AND AND CLIMATE)

Student will be able to

-)] Understand Climatology as the study of climate on geographical scales ranging from local communities to the Earth as a whole.
-)] Learn about all weather parameters such as temperature of the air, land and sea, cloud types and amount, humidity, precipitation, wind direction and velocity.
-)] Gain knowledge about marine life and its ecosystems, ocean circulation, plate tectonics and the chemical and physical properties of the ocean.
-)] Learn about currents and waves, movement of the sediments as well as the geology of the sea floor.

COURSE OUTCOME (CO)

BHSOS-209 – SOCIOLOGY (BASIC CONCEPTS OF SOCIOLOGY II)

Students will be able to:

-)] Understand different types of social processes, their nature and role in society that whether they are integrated or disintegrated.
-)] How does socialization occurs, its definition, agencies, importance and theories given by eminent sociologists like Cooley, Mead, Freud and Jean Piaget.
-)] Meaning of social control, norms, values, laws and customs.
-)] Get broad knowledge of the processes of social stratification. its merits and demerits, how society controls deviant behavior and theories that can help in this process.

PROGRAMME SPECIFIC OUTCOME (PSO) 2- B.A. (HONOURS) SOCIAL SCIENCE

After Successful completion of this course, the students will be able to:

-)] Acquire knowledge in the field of Social Sciences, literature and humanities which make them sensitive and sensible enough.
-)] Understand the world, their country, their society, as well as themselves and have awareness of ethical problems, rights, values and responsibility to the self and to others.
-)] Become the responsible citizens.

COURSE OUTCOME (CO)

BHSOS-301 – ENGLISH (Communicative English) III

After Successful completion of this course, the students will be able to:

- Get to know about various techniques used in a play and different situations of life
- Develop a solid foundation on spoken language
- Develop writing skills to use appropriate language for official purposes.
- Build vocabulary to gain language proficiency

COURSE OUTCOME (CO)

BHSOS-302 – PUNJABI COMULSORY

-)] ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਦੂਸਰੇ ਖਿੱਤੇ ਦੇ ਭੂਗੋਲਿਕ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਇਤਿਹਾਸਿਕ ਅਤੇ ਸੱਭਿਆਚਾਰਕ ਪੱਖਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਆਪਣੇ ਖਿੱਤੇ ਦੇ ਇਨ੍ਹਾਂ ਪੱਖਾਂ ਬਾਰੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ ਅਤੇ ਇਤਿਹਾਸ ਦੇ ਵਿਸ਼ੇਸ਼ ਪੜ੍ਹਾ ਦੀ ਸੋਝੀ ਹਾਸਲ ਕਰਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਨਾਟਕੀ ਵਿਧਾ ਰਾਹੀਂ ਜਿੱਥੇ ਸਟੇਜ ਤੇ ਬੋਲਣ ਦੀ ਮੁਹਾਰਤ ਹਾਸਲ ਕਰਦਾ ਹੈ ਉਥੇ ਆਤਮ ਵਿਸ਼ਵਾਸ ਵਿਚ ਵੀ ਵਾਧਾ ਹੁੰਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਖਤ ਦੇ ਹੋਂਦ ਵਿੱਚ ਆਉਣ ਦੇ ਪੜਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਖਾਸ ਕਰਕੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਪੀ ਗੁਰਮੁਖੀ ਬਾਰੇ।
-)] ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੇ ਮੁੱਢਲੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝ ਕੇ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਦੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ, ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO)

BHSOS-302 A – PUNJABI COMULSORY (MUDLA GYAN/ Elementary Punjabi)

-)] ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖੋ- ਵੱਖਰੀਆਂ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਪੰਜਾਬੀ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਦੂਜੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ਬਦ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿੱਚ ਮੁਹਾਰਤ ਹਾਸਿਲ ਕਰਕੇ ਕਿਸੇ ਵੀ ਸਰਕਾਰੀ ਜਾਂ ਪ੍ਰਾਈਵੇਟ ਅਦਾਰੇ ਵਿੱਚ ਸੰਚਾਰ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

COURSE OUTCOME (CO)

BHSOS-303 – GENERAL STUDIES-III (CONSTITUTIONAL DEVELOPMENT)

After Successful completion of this course, the students will be able to:

-)] Understand the British governments' Acts which influenced the Indian constitution.
-)] Recognize the Fundamental rights, duties and Directive principles of state policy and they will be aware about the powers and position of president, State Legislature, Executive.
-)] Get knowledge about the political institutions of India.

COURSE OUTCOME (CO)**BHSOS-304 WORKSHOP ON MATHEMATICAL SKILLS AND GENERAL MENTAL ABILITY**

After Successful completion of this course, the students will be able to:

-)] Think analytically and have better reasoning abilities.
-)] Solve problems and look for solutions.
-)] Keep their brains sharp and quick.

COURSE OUTCOME (CO)**BHSOS-305, - POLITICAL SCIENCE (POLITICAL THEORY)**

After Successful completion of this course, the students will be able to:

-)] Evaluate the major debates of political science.
-)] Develop a better understanding of questions concerning power, justice, rights, and laws and other issues pertaining to governance.
-)] Understand what a better political world look like and how we can create it.

COURSE OUTCOME (CO)**BHSOS-306 – HISTORY (HISTORY OF INDIA,1885-1947 A.D.)**

-)] The Objectives of the course is to impart theoretical perspectives of Indian National Movement.
-)] This Course provides insight analysis of the Indian National Movement.
-)] The aim of this course is also to make students aware of the constitutional development in India.

COURSE OUTCOME (CO)**BHSOS-307–PUBLIC ADMINISTRATION (PERSONNEL AND FINANCIAL ADMINISTRATION)**

-)] Conceptual clarity of Personnel Administration, its issues, career systems and other terms covering various aspects of personnel administration.
-)] Detailed understanding of the Personnel system and its related recruiting agencies of the Indian Republic.
-)] Critical understanding of issues like Employee associations, Redressal Mechanism, Adjudication institutions and processes and Civil Service Reforms.
-)] Knowledge of various aspects of Financial Administration in general and in the Indian context in particular.
-)] Understanding budgeting, financial institutions and financial resource mobilization strategies in the Indian context.

COURSE OUTCOME (CO)**BHSOS-308 – GEOGRAPHY (GEOGRAPHY OF THE WORLD-I)**

Student will be able to

-)] Learn about geographical features of different continents.
-)] Understand the geographical, socio-economic, political and cultural features of different countries of the world.
-)] Learn about the natural resources, physiography, drainage, vegetation, soils, agriculture, industry of North America and Europe.

COURSE OUTCOME (CO)**BHSOS-309 – SOCIOLOGY (SOCIAL STRUCTURE OF INDIAN SOCIETY)**

Upon the successful completion of the syllabus, students will be able to:

-)] To know about traditional, ideological, structural and ideological basis of Indian society and caste system its functions and dysfunctions.
-)] Understand social institutions of society like marriage and family in India and their changing patterns.
-)] Look for the social problems like domestic violence, female foeticide, changing sex ratio:-causes and consequences.
-)] Have knowledge of changes and features of societal organization in India: Tribal, Rural and Urban.

COURSE OUTCOME (CO) BHSOS-401 – ENGLISH (Communicative English) IV

After Successful completion of this course, the students will be able to:

- Get acquainted with different orators and their philosophy of life
- Develop a solid foundation on spoken language
- Develop writing skills to use appropriate language for official purposes.
- Build vocabulary to gain language proficiency

COURSE OUTCOME (CO) BHSOS-402 – PUNJABI COMULSORY

-)] ਵਿਦਿਆਰਥੀ ਕਿਸੇ ਦੂਸਰੇ ਖਿੱਤੇ ਦੇ ਭੂਗੋਲਿਕ, ਸਮਾਜਿਕ, ਆਰਥਿਕ, ਰਾਜਨੀਤਿਕ, ਇਤਿਹਾਸਿਕ ਅਤੇ ਸੱਭਿਆਚਾਰਕ ਪੱਖਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦਾ ਹੋਇਆ ਆਪਣੇ ਖਿੱਤੇ ਦੇ ਇਨ੍ਹਾਂ ਪੱਖਾਂ ਬਾਰੇ ਤੁਲਨਾਤਮਕ ਅਧਿਐਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦਾ ਹੈ ਅਤੇ ਇਤਿਹਾਸ ਦੇ ਵਿਸ਼ੇਸ਼ ਪੜ੍ਹਾ ਦੀ ਸੋਝੀ ਹਾਸਲ ਕਰਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਨਾਟਕੀ ਵਿਧਾ ਰਾਹੀਂ ਜਿੱਥੇ ਸਟੇਜ ਤੇ ਬੋਲਣ ਦੀ ਮੁਹਾਰਤ ਹਾਸਲ ਕਰਦਾ ਹੈ ਉਥੇ ਆਤਮ ਵਿਸ਼ਵਾਸ ਵਿਚ ਵੀ ਵਾਧਾ ਹੁੰਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਇਸ ਰਾਹੀਂ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਖਤ ਦੇ ਹੋਂਦ ਵਿੱਚ ਆਉਣ ਦੇ ਪੜਾਵਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦਾ ਹੈ ਖਾਸ ਕਰਕੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਲਿਪੀ ਗੁਰਮੁਖੀ ਬਾਰੇ।
-)] ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਭਾਸ਼ਾ ਦੇ ਮੁੱਢਲੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝ ਕੇ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਦੇ ਪ੍ਰਬੰਧ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਾਰਤਕ, ਨਾਟਕ ਤੇ ਇਕਾਂਗੀ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO) BHSOS-402 A – PUNJABI COMULSORY (MUDLA GYAN/Elementary Punjabi)

-)] ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀਆਂ ਵੱਖੋ- ਵੱਖਰੀਆਂ ਵਿਧਾਵਾਂ ਤੋਂ ਜਾਣੂ ਹੁੰਦੇ ਹੋਏ ਪੰਜਾਬੀ ਸਾਹਿਤ ਨੂੰ ਸਮਝਣ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਦੂਜੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ਬਦ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਇਸ ਰਾਹੀਂ ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਵਿੱਚ ਮੁਹਾਰਤ ਹਾਸਿਲ ਕਰਕੇ ਕਿਸੇ ਵੀ ਸਰਕਾਰੀ ਜਾਂ ਪ੍ਰਾਈਵੇਟ ਅਦਾਰੇ ਵਿੱਚ ਸੰਚਾਰ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

COURSE OUTCOME (CO) BHSOS-403 – GENERAL STUDIES-IV (INDIAN ECONOMY)

-)] Students will be able to understand nature of Indian Economy and its requirements.
-)] Students will become aware of the different Segment of Economy- Agriculture, Manufacturing Industries, and Service Sector.
-)] Students will understand the Significance of Economic Planning.

COURSE OUTCOME (CO) BHSOS-404 WORKSHOP ON HERITAGE AND CULTURE

After Successful completion of this course, the students will be able to:

-)] Remind their common history and progress.
-)] Develop deeper cultural affinities.
-)] Increase community pride and awareness regarding heritage and culture.

COURSE OUTCOME (CO) BHSOS-405, POLITICAL SCIENCE (POLITICAL THOUGHT)

After Successful completion of this course, the students will be able to:

-)] To understand the ways in which western political thinkers responded to the political problems of their times and the way in which they contributed to a broader view about human goals and needs, justice, democracy and the ever changing relationship between the citizen and the state.
-)] To find out that how various political philosophies shaped the various forms of government from tyranny to republican democracy.
-)] To relate political thought to current political issues.

COURSE OUTCOME (CO)

BHSOS-406 – HISTORY (HISTORY OF PUNJAB, 1469-1849 A.D.)

-)] The students are expected to attain better understanding regarding the History of Punjab.
-)] Students will be able to understand the origin, growth and philosophy of Sikhism which will boost values and ethics in them.
-)] Thus the course will be helpful for students to analyze change and continuity in Punjab.

COURSE OUTCOME (CO)

BHSOS-407 – PUBLIC ADMINISTRATION (RURAL AND URBAN LOCAL GOVERNMENT)

-)] Acquiring the theoretical knowledge and understanding of the evolution and growth of local government in India with special reference to 73rd and 74th Constitutional Amendment Acts.
-)] Gaining insights about composition, role, functions and resources of Panchayati Raj Institutions and Urban Local Bodies in India.
-)] Connecting the role and relationships of rural and urban local democratic decentralized institutions with other related issues, institutions and their personnel.
-)] Understanding the structure and working of rural and urban development programmes.
-)] Exploring the role, importance and control of State Finance Commission over the local government bodies.

COURSE OUTCOME (CO)

BHSOS-408 – GEOGRAPHY (GEOGRAPHY OF THE WORLD-II)

Student will be able to

-)] Learn about the geographical, demographical, socio- economic and political aspects of Asia and Oceania continent.

-) Learn about comparing different features of respective continents and analysing them
-) Learn about the Trade relations of different countries of these continents with rest of the world and with each other.

COURSE OUTCOME (CO) BHSOS-409 – SOCIOLOGY (SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA)

Upon the successful completion of the syllabus, students will be able to:

-) Understand meaning of social change, its meaning, types, evolution, progress, revolution, development.
-) Get an insight into different types of social changes including demographic, industrialization, technological, legislative, education, social movements, Sankritization, Westernization, Modernization and Secularization, planned social change like integrated rural development programme, Panchayati Raj Institutions, Land Reforms and Green Revolution.
-) Know about social problems like population problems, poverty, unemployment, problems of the aged, youth unrest, agitation, crime and juvenile delinquency by understanding different theories i.e. social disorganization approach, Value Conflict Approach, Cultural Lag Approach

PROGRAMME SPECIFIC OUTCOME (PSO) 3 -B.A. (HONOURS) SOCIAL SCIENCE-III

After Successful completion of this course, the students will be able to:

-) Appear for various competitive examinations or choose the post graduate program of their choice.
-) Recognize the working and pattern of different political systems, organizations, societies, cultures.
-) Reflect their responsibilities to local, national and global communities.

COURSE OUTCOME (CO) BHSOS- 501 – ENGLISH (Communicative English) V

After the successful completion of this course, the students will be able to:

- Get acquainted with various techniques used in a novel and to tackle with difficult situations of life.
- Enhance their writing skills.
- Enlarge their vocabulary.
- Construct simple sentences using accurate rudiments of syntax and grammar.

COURSE OUTCOME (CO)

BHSOS-502 – PUNJABI COMULSORY

- ⌋ ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਜਿੰਦਗੀ ਦੇ ਗਹਿਰੇ ਤੇ ਲਾਜ਼ਮੀ ਸੰਕਲਪਾਂ ਨੂੰ ਸਮਝ ਕੇ ਵਧੀਆ ਜੀਵਨ ਜਿਊਣ ਦੇ ਕਾਬਲ ਬਣਦਾ ਹੈ।
- ⌋ ਪੁਰਾਤਨ ਪਰੰਪਰਾਵਾਂ, ਰੀਤੀ-ਰਿਵਾਜ, ਤਿੱਥ-ਤਿਉਹਾਰ, ਰਿਸ਼ਤਾ-ਨਾਤਾ ਪ੍ਰਣਾਲੀ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਆਧੁਨਿਕ ਕਾਲ ਰਾਹੀਂ ਬਦਲ ਰਹੇ ਲੋਕਧਾਰਾਈ ਪਰਿਪੇਖਾਂ ਨਾਲ ਤੁਲਨਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
- ⌋ ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸ਼ਬਦ ਤੋਂ ਲੈ ਕੇ ਵਾਕ ਪੱਧਰ ਤੱਕ ਵੱਖ-ਵੱਖ ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਦੇ ਅਧਿਐਨ ਤੋਂ ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਲਿਖਣ ਤੇ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
- ⌋ ਵਿਦਿਆਰਥੀ ਹੋਰਨਾਂ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਅਨੁਵਾਦ ਕਰਕੇ ਅਨੁਵਾਦਕ ਦੇ ਤੌਰ 'ਤੇ ਰੁਜ਼ਗਾਰ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਸਕਦਾ ਹੈ।
- ⌋ ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੀ ਸਮਰੱਥਾ ਹਾਸਲ ਕਰਕੇ ਉਚੀਆਂ ਕਦਰਾਂ-ਕੀਮਤਾਂ ਦਾ ਧਾਰਨੀ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO)

BHSOS-502 A – PUNJABI COMULSORY (MUDLA GYAN/ Elementary Punjabi)

- ⌋ ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ, ਪੰਜਾਬ ਦੇ ਕਿੱਤੇ, ਰੀਤੀ-ਰਿਵਾਜ, ਵਹਿਮ-ਭਰਮ, ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਖੇਡਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
- ⌋ ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਜਾਣਕਾਰੀ ਰਾਹੀਂ ਪੰਜਾਬੀ ਸਮਾਜ ਨੂੰ ਸਮਝਣ ਤੇ ਵਿਚਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
- ⌋ ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਾਕ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

COURSE OUTCOME (CO)

BHSOS-503 – GENERAL STUDIES-V (NATIONAL SECURITY STUDIES INCLUDING INTERNATIONAL RELATIONS)

After Successful completion of this course, the students will be able to:

- ⌋ Understand the international security issues.
- ⌋ Understand the scope and subject matter of international relations.
- ⌋ Understand the basic facts about the world politics. It develops critical thinking of students.

COURSE OUTCOME (CO)

HSOS-504 WORKSHOP ON PERSONALITY DEVELOPMENT AND ETHICS

After Successful completion of this course, the students will be able to:

- ⌋ Understand the meaning of life and work in the present context and aimed to teach to work with professionals, peoples and groups.
- ⌋ Demonstrate knowledge of personal beliefs and values.
- ⌋ Build self confidence, enhance self esteem and improve overall personality.

COURSE OUTCOME (CO)

BHSOS-505 POLITICAL SCENCE (COMPARATIVE POLITICAL SYSTEM: UK, USA & CHINA)

After Successful completion of this course, the students will be able to:

- ⌋ Identify the structure and operations of the political systems of USA, UK and China.
- ⌋ Define and apply the concepts and theories in political science.
- ⌋ Understand how certain systems were evolved and how they are different from each other.

COURSE OUTCOME (CO) BHSOS-506 – HISTORY (THE WORLD HISTORY: 1500 TO 1991 A.D.)

- ⌋ This paper identifies major discoveries, inventions and scientific achievements and assess their impact on society.
- ⌋ It also deals with the rise of Nationalism in the World.
- ⌋ This paper gives information about the factors which led to the emergence of the World wars and about the modernization of Turkey.
- ⌋ It will be beneficial for the students as they will know about the U.N.O., Chinese revolution of 1949 and collapse of the Soviet Union.

COURSE OUTCOME (CO)

BHSOS-507 – PUBLIC ADMINISTRATION (COMPARATIVE AND DEVELOPMENT ADMINISTRATION)

-)] It will be equipped with the knowledge and conceptual clarity of approaches, indices, and models of Comparative Public Administration.
-)] Clarity related to the administrative systems and their accountability mechanisms of UK, USA, France and Japan.
-)] Understanding of local governmental system, grievance redressal mechanisms and relevance of comparative approach in globalized perspective.
-)] Developing a basic intellectual understanding of development and its approaches.
-)] Understanding features of developing and developed countries and their comparative study.

COURSE OUTCOME (CO)

BHSOS-508 – GEOGRAPHY (GEOGRAPHY OF PUNJAB)

Student will be able to

-)] Understand the administrative background of Punjab before and after the independence and partition.
-)] Learn about the administrative divisions of Punjab.
-)] Learn about the physiographic divisions of Punjab, its climate, vegetation, soils, agriculture and industries.

COURSE OUTCOME (CO)

BHSOS-509 – SOCIOLOGY (SOCIAL THOUGHT)

Upon the successful completion of the syllabus, students will be able to:

-)] Understand human behavior, social problems and find out the solutions by understanding different perspectives given by various social thinkers in human history.
-)] Get deeper knowledge about the sociologists such as Auguste Comte, Herbert Spencer, Karl Marx, Max Weber, Emile Durkheim, G.H.Mead, Mahatma Gandhi and Vilfred Pareto.
-)] Comparative analysis of evolutionary, functional and conflict perspective.

COURSE OUTCOME (CO)

BHSOS-601 – ENGLISH (Communicative English) VI

After the successful completion of this course, the students will be able to:

- Enhance their writing skills and will strengthen their ability to write with proper sentence structure
- Enlarge their vocabulary.
- Learn to achieve their goals by reading memoir written by Barack Obama

COURSE OUTCOME (CO)

BHSOS-602 – PUNJABI COMULSORY

-)] ਇਸ ਵਿਸ਼ੇ ਦੇ ਮਾਧਿਅਮ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਜਿੰਦਗੀ ਦੇ ਗਹਿਰੇ ਤੇ ਲਾਜ਼ਮੀ ਸੰਕਲਪਾਂ ਨੂੰ ਸਮਝ ਕੇ ਵਧੀਆ ਜੀਵਨ ਜਿਊਣ ਦੇ ਕਾਬਲ ਬਣਦਾ ਹੈ।
-)] ਪੁਰਾਤਨ ਪਰੰਪਰਾਵਾਂ, ਰੀਤੀ-ਰਿਵਾਜ, ਤਿੱਥ-ਤਿਉਹਾਰ, ਰਿਸ਼ਤਾ-ਨਾਤਾ ਪ੍ਰਣਾਲੀ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਕੇ ਆਧੁਨਿਕ ਕਾਲ ਰਾਹੀਂ ਬਦਲ ਰਹੇ ਲੋਕਧਾਰਾਈ ਪਰਿਪੇਖਾਂ ਨਾਲ ਤੁਲਨਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
-)] ਇਸ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਸ਼ਬਦ ਤੋਂ ਲੈ ਕੇ ਵਾਕ ਪੱਧਰ ਤੱਕ ਵੱਖ-ਵੱਖ ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ ਦੇ ਅਧਿਐਨ ਤੋਂ ਸ਼ੁੱਧ ਭਾਸ਼ਾ ਲਿਖਣ ਤੇ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਹੋਰਨਾਂ ਭਾਸ਼ਾਵਾਂ ਨੂੰ ਅਨੁਵਾਦ ਕਰਕੇ ਅਨੁਵਾਦਕ ਦੇ ਤੌਰ 'ਤੇ ਰੁਜ਼ਗਾਰ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਯੋਗ ਬਣ ਸਕਦਾ ਹੈ।
-)] ਵਿਦਿਆਰਥੀ ਮੱਧਕਾਲੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸਿਕ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣ ਦੀ ਸਮਰੱਥਾ ਹਾਸਲ ਕਰਕੇ ਉਚੀਆਂ ਕਦਰਾਂ-ਕੀਮਤਾਂ ਦਾ ਧਾਰਨੀ ਬਣਦਾ ਹੈ।

COURSE OUTCOME (CO)

BHSOS-602 A – PUNJABI COMULSORY (MUDLA GYAN/ Elementary Punjabi)

-)] ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਜਾਣਕਾਰੀ ਹਾਸਿਲ ਕਰਦੇ ਹੋਏ, ਪੰਜਾਬ ਦੇ ਕਿੱਤੇ, ਰੀਤੀ-ਰਿਵਾਜ, ਵਹਿਮ-ਭਰਮ, ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਖੇਡਾਂ ਤੋਂ ਜਾਣੂ ਹੋਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਬਾਹਰਲੇ ਰਾਜਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਦੀ ਜਾਣਕਾਰੀ ਰਾਹੀਂ ਪੰਜਾਬੀ ਸਮਾਜ ਨੂੰ ਸਮਝਣ ਤੇ ਵਿਚਰਨ ਦੇ ਯੋਗ ਹੋ ਜਾਂਦੇ ਹਨ।
-)] ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਰਾਹੀਂ ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਾਕ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦੇ ਹਨ।

COURSE OUTCOME (CO) 8

BHSOS-603 General Studies -VI (CURRENT AFFAIRS & SOCIAL ISSUES)

After Successful completion of this course, the students will be able to:

-)] Make logical inferences about current social and political issues on the basis of comparative and historical knowledge.
-)] Think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

-)} Develop an opinion on world affairs.

COURSE OUTCOME (CO)

BHSOS-604 WORKSHOP ON INTERVIEW SKILLS

After Successful completion of this course, the students will be able to:

-)} Prepare for an interview in the best possible manner.
-)} Boost their confidence levels
-)} Learn the key materials to bring in and impress during the interview.

COURSE OUTCOME (CO)

BHSOS-605 POLITICAL SCIENCE (FOREIGN POLICY OF INDIA)

After Successful completion of this course, the students will be able to:

-)} Improves their knowledge and information about foreign policy of India.
-)} Understand the objectives of Indian Foreign Policy, its Internal and external determinants and relations between India and its neighboring countries.
-)} Understand Geo Politics.

COURSE OUTCOME (CO)

BHSOS-606 – HISTORY (THE HISTORY OF PUNJAB, 1849 TO 1966)

-)} The objective of the paper is to inculcate in students a better understanding about British policies in Punjab.
-)} Students will be able to understand the origin , growth and development of Freedom movement in Punjab.
-)} Thus the course will be helpful for students to develop better understanding about Punjab.

COURSE OUTCOME (CO)

BHSOS-607 – PUBLIC ADMINISTRATION (ADMINISTRATIVE THOUGHTS)

-)} After reading this paper, one would be able to explain and understand the basic principles and approaches of the subject given by the eminent scholars of the Public Administration.
-)} After undergoing the paper, the students will be in position to clearly understand traditional and modern techniques of administration and
-)} Able to understand the problems of Administration.

COURSE OUTCOME (CO)

BHSOS-608 – GEOGRAPHY (GEOGRAPHY OF RESOURCES AND ENVIRONMENT)

Student will be able to

-)} Highlight the relationship between man and environment
-)} Develop awareness regarding the protection of environment and natural resources.
-)} Set goals to achieve sustainable development.

COURSE OUTCOME (CO) BHSOS-609 – SOCIOLOGY (RESEARCH METHODOLOGY)

Upon the successful completion of the syllabus, students will be able to:

-)} Have an understanding of several research processes in social sciences, scientific methods.
-)} To get depth knowledge of Techniques of data collection, sampling and analysis of data.
-)} Get an insight of statistics and data analysis.

U.G. DEPARTMENT OF SOCIOLOGY

Programme Outcome (P.O.):U.G. (Sociology) The primary aim of sociology is to provide students depth knowledge and analytic skills necessary to understand social life in modern and complex world. Students explore aspects of social relationships, processes and structures; as a result, they develop a greater understanding of human societies and the role of continuity and change in social life. Students are encouraged to evaluate critically a variety of different social, economic and political structures, thereby learning more about the sociological method, and developing an ability to assess different forms of information and evidence. By relating the syllabus to the local context, professors can help learners apply their developing sociological knowledge and understanding to the analysis of their own lives and their participation in society.

CO 1: FUNDAMENTALS OF SOCIOLOGY – I

Upon successful completion students will be able to:

-)} Understand the nature of sociology.
-)} Get depth knowledge about basic concepts of society i.e. Social Structure, Society, Social Organization,

Community, Association, Norms, Values, Status and Role.

- Understand how the process of socialization happens in society and get the knowledge about cultural aspects.

CO 2: FUNDAMENTALS OF SOCIOLOGY –II

Upon successful completion students will be able to:

- Understand how the social processes work in social life.
- Get the detailed knowledge about social groups, in which they participate whole life.
- Get the broader look how the great institution like marriage, family, kinship and religion influence and mould individuals.
- 4 Explain how social control and social deviance happens in society

CO 3: SOCIAL STRUCTURE OF INDIAN SOCIETY

Upon successful completion students will be able to:

- Have a deeper insight about social stratification and social differentiation.
- Know how the types of social stratification i.e. class and caste exists in India.
- Understand changing pattern of marriage and family in India. They also can identify gender discrimination and changing sex ratio existing in India
- Develop understanding regarding societal organization in India i.e. tribal, rural and urban

CO 4: SOCIAL CHANGE IN INDIA

Upon successful completion students will be able to:

- Develop understanding about social change its types (Evolution, Progress, Development and Revolution), factors (Demographic and Economic, Technological and Cultural) and processes (Sanskritization, Westernization, Secularization, Urbanization, Modernization and Globalization).
- Explain Planned Social Change in India through Community Development, Panchayati Raj Institution, MGNREGA and Swarn Jyanti Gram Swai Rojgar Yojna.

CO 5: SOCIAL THOUGHT

Upon successful completion students will be able to:

- Demonstrate an understanding of, and the ability to use, several of the major perspectives in social theory given by August Comte, Herbert Spencer, Karl Marx, Max Weber, Emile Durkheim and Mahatma Gandhi.

CO 6: SOCIAL SCIENCE RESEARCH METHODS

Upon successful completion students will be able to:

- Demonstrate an understanding of several of the major processes in social science research methodology. It includes social research, scientific methods, hypothesis, techniques of data collection, sampling, analysis of data, statistics and measures of central tendency.

B.A. (HONOURS) SOCIAL SCIENCES

CO 1: Sociology (Basic Concept of Sociology-I)

Upon successful completion of the course, students will be able to:

- CO1. Get an insight into the emergence of the subject, its nature and utilization, the relationship and difference of sociology with other social sciences.
- CO2. Understand concepts like society, Community, association, marriage, family and kinship, culture and social groups, their related terms, their derivations functions and importance.
- CO3. Understand what are social system and social structure, how do they work in society and for the individuals.

CO 2: Sociology (Basic Concept of Sociology-II)

Upon successful completion of the course, students will be able to:

- CO1. Understand different types of social processes, their nature and role in society that whether they are integrated or disintegrated.
- CO2. How does socialization occurs, its definition, agencies, importance and theories given by eminent sociologists like Cooley, Mead, Freud and Jean Piaget.
- CO3. Meaning of social control, norms, values, laws and customs.
- CO4. Get broad knowledge of the processes of social stratification. its merits and demerits, how society controls deviant behaviour and theories that can help in this process.

CO 3: Sociology (SOCIAL STRUCTURE OF INDIAN SOCIETY)

Upon the successful completion of the syllabus, students will be able to:

- CO1. To know about traditional, ideological, structural and ideological basis of Indian society and caste

system its functions and dysfunctions.

-)] CO2. Understand social institutions of society like marriage and family in India and their changing patterns.
-)] CO3. Look for the social problems like domestic violence, female foeticide, changing sex ratio:-causes and consequences.
-)] CO4. Have knowledge of changes and features of societal organization in India: Tribal, Rural and Urban.

CO 4 : Sociology (SOCIAL CHANGE AND SOCIAL PROBLEMS IN INDIA)

Upon the successful completion of the syllabus, students will be able to:

-)] CO1. Understand meaning of social change, its meaning, types, evolution, progress, revolution, development.
-)] CO2. Get an insight into different types of social changes including demographic, industrialization, technological, legislative, education, social movements, Sankritization, Westernization, Modernization and Secularization, planned social change like integrated rural development programme, Panchayati Raj Institutions, Land Reforms and Green Revolution.
-)] CO3. Know about social problems like population problems, poverty, unemployment, problems of the aged, youth unrest, agitation, crime and juvenile delinquency by understanding different theories i.e. social disorganization approach, Value Conflict Approach, Cultural Lag Approach

CO 5: Sociology (SOCIOLOGICAL THEORIES)

Upon the successful completion of the syllabus, students will be able to:

-)] CO1. Understand human behavior, social problems and find out the solutions by understanding different perspectives given by various social thinkers in human history.
-)] CO2. Get deeper knowledge about the sociologists such as Auguste Comte, Herbert Spencer, Karl Marx, Max Weber, Emile Durkheim, G.H.Mead, Mahatma Gandhi and Vilfred Pareto.
-)] CO3. Comparative analysis of evolutionary, functional and conflict perspective.

CO 6: Sociology (RESEARCH METHODOLOGY)

Upon the successful completion of the syllabus, students will be able to:

-)] CO1. Have an understanding of several research processes in social sciences, scientific methods.
-)] CO2. To get depth knowledge of Techniques of data collection, sampling and analysis of data
-)] CO3. Get an insight of statistics and data analysis.

B.Sc. (Medical)

Program Outcomes (PO)

Bachelor of Science (B.Sc.) offers theoretical as well as practical knowledge about different subject areas viz. Botany, Zoology and Chemistry. This programme course is most beneficial for students who have a strong interest and background in Science. The course forms the basis of science and comprises of the subjects like chemistry, botany and zoology. It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace. To further hone their skills students can go for higher studies i.e. M.Sc and then do some research for the welfare of mankind. Students can join as scientist. Apart from the research jobs, students can also work or get jobs in other technical fields like pharmaceutical, medical, school or college laboratories. Science graduates also recruited in the bank sector to work as customer service executives. Students can also find employment in government sectors.

Program Specific outcome (PSO)

-)] B.Sc. Medical student is able to acquire knowledge regarding Botany, Zoology and Chemistry.
-)] Students will be able to define and explain major concepts in the biological sciences.
-)] They are able to correctly use biological instrumentation and proper laboratory techniques.
-)] Students will be able to communicate biological knowledge in oral and written form.
-)] Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular, and organismal.
-)] They can go for Indian Forest Services and other competitive examinations.
-)] They can opt for higher studies in Botany, Zoology, Chemistry, Biotechnology, Microbiology and food technology, Human genetics, Environment sciences, Forensic, Biochemistry and Fisheries.

Course specific outcome

CO1: Paper I: Cell Biology

To understand the concepts of the structures and purposes of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes, and organelles. Students will acquire knowledge about chromosomes and cell divisions, both mitosis and meiosis. They will also know about cell signaling.

CO2: Paper II: Non chordates I

To study the diversity of invertebrate fauna and to learn the basics of systematic and understand hierarchy of different categories. Students will also gain an insight into diagnostic characteristics of different phyla.

CO3: Paper III: Non-chordates II

To study the diversity of invertebrate fauna and to learn the basics of systematic and understand hierarchy of different categories. Students will also gain an insight into diagnostic characteristics of different phyla.

CO4: Paper IV: Ecology

To understand core concepts and methods from ecological and physical sciences and their application in environmental problem-solving. Appreciate the ethical and cross-cultural context of environmental issues and the links between human and natural systems. Reflect critically about their roles and identities as citizens, consumers and environmental factors in a complex, interconnected world.

CO5 Paper V: Chordates

To study the diversity of Protochordate and vertebrate fauna and to learn the basics of systematic and understand hierarchy of different categories. Students will also gain an insight into diagnostic characteristics of different phyla. They will be able to comprehend and appreciate the huge diversity of animal forms existing on the earth ranging from the simplest to the highly complex and largest aquatic or land vertebrates.

CO6: Paper VI: Evolutionary Biology

To explore comparative vertebrate biology in understanding our own biology by learning about the organization, function and adaptive strengths and weaknesses of our own bodies, and how these traits have been shaped by our evolutionary history. Besides, they will also be able to obtain an overview of phylogenetic relationships and evolutionary trends of these organisms. Students will know about population genetics, human evolution, various concepts about origin of species, extinctions, phylogenetic tree making.

CO7: Paper VII: Biochemistry

To explore biochemistry and its scope through scientific enquiry into the nature of biomolecules. Students will understand the basic and fundamental biochemistry of carbohydrates, proteins, lipids and nucleic acids. They will gain knowledge about concept of enzyme, its mechanism of action and regulation; and how this structural information can be utilized for better understanding of biological processes.

CO8: Paper VIII: Animal Physiology

To understand the physiology of digestion, respiration, circulation, excretion, muscles and nerves. They will learn details of endocrinology with classification of hormones, their mode of actions, physiological function, feedback controls and related disorders.

CO9: Paper-IX: Developmental Biology

To learn the different aspects of early, late and post embryonic developments. They will have the knowledge about implications of developmental biology in various fields, such as in teratogenesis, stem cell biology, in vitro fertilization, cryopreservation, cord blood transfusion.

CO10: Paper-X: Genetics

The students will come to know about the concepts of Mendelian and non mendelian inheritance and the role of genes in genetic disorder, gene mutations- various causes associated with inborn errors of metabolism. The course will also provide an insight into the linkage analysis along with the knowledge of population genetics and Genetic engineering.

CO11: Paper XI: Medical Zoology

The course provides an insight into concepts of parasitology and human parasitic diseases and their causal organisms, the types of immunity. The course improves the understanding of fundamental complement of numerous diseases which have significant impact on human health and Understanding of Insect vector host interactions of many important diseases like Malaria, Filaria, and Dengue etc. Course gives insight into physiology, biochemistry and reproduction of insect vectors and their control measures. Students gain knowledge about the concepts of overview of Entomology. Source reduction and environmental methods for vector control, biological control and other Insect bites.

CO12: Paper XII: Medical Laboratory technology

This course will make students competent to perform a full range of testing in the contemporary medical laboratory encompassing pre-analytical, analytical, and post-analytical components of laboratory services, including Histology, Staining techniques, hematology, chemistry, microbiology, urinalysis, body fluids, and immunohematology. They are also acquainted with the application of safety and governmental regulations and standards as applied to medical laboratory practice.

