

B.Sc. (Medical)
Course code: BSMD

SEMESTER I

- BSMD 101: Punjabi Compulsory
- BSMD 101-A: Punjabi Compulsory (Mudla Gyan/ Elementary Punjabi)
- BSMD 102: English Communication Skills
- BSMD 103: Botany: Paper-I (Diversity of Microbes)
Paper-II (Diversity of Cryptogams)
- BSMD 104: Zoology: Paper I: Cell Biology
Paper II: Non-Chordates I
- BSMD 105: Chemistry: Inorganic Chemistry-I: Atomic Structure and Chemical Bonding
Organic Chemistry-I: General Organic Chemistry & Aliphatic Hydrocarbons

SEMESTER II

- BSMD 201: Punjabi Compulsory
- BSMD 201-A: Punjabi Compulsory (Mudla Gyan/Elementary Punjabi)
- BSMD 202: English Communication Skills
- BSMD 203: Botany: Paper III: Cell Biology
Paper IV: Genetics and Evolution
- BSMD 204: Zoology: Paper III: Non-Chordates II
Paper IV: Ecology
- BSMD 205: Chemistry: Physical Chemistry-I: Thermodynamics and Equilibria
Organic Chemistry-II: Functional Organic Chemistry
- GN 201: Drug Abuse: Problem Management and Prevention (Qualifying Paper)

SEMESTER III

- BSMD 301: Punjabi Compulsory
- BSMD 301 A: Punjabi Compulsory (Mudla Gyan/Elementary Punjabi)
- BSMD 302: Botany: Paper-V: Diversity and Systematics of Gymnosperms
Paper-VI: Diversity and Systematics of Angiosperms
- BSMD 303: Zoology: Paper V: Chordates I
Paper VI: Chordates II and Evolution
- BSMD 304: Chemistry: Physical Chemistry-II: Solutions, Phase Equilibrium and Electrochemistry
Organic Chemistry-III: Carboxylic Acids and Amines
- BSMD 305: Environmental and Road Safety Awareness

SEMESTER IV

- BSMD 401: Punjabi Compulsory
- BSMD 401 A: Punjabi Compulsory (Mudla Gyan/Elementary Punjabi)
- BSMD 402: Botany: Paper VII: Plant Anatomy
Paper VIII: Development and Reproduction in Flowering Plants
- BSMD 403: Zoology: Paper VII: Biochemistry
Paper VIII: Animal Physiology
- BSMD 404: Chemistry: Inorganic Chemistry II: Transition Metal Coordination Chemistry
Physical Chemistry-III States of Matter & Chemical Kinetics

SEMESTER V

- BSMD 501: Punjabi Compulsory
- BSMD 501 A: Punjabi Compulsory (Mudla Gyan/Elementary Punjabi)
- BSMD 502: Botany: Paper-IX: Plant Physiology
Paper-X: Plant Growth, Development and Biotechnology
- BSMD 503: Zoology: Paper-IX: Developmental Biology
Paper-X: Genetics
- BSMD 504: Chemistry: Inorganic Chemistry III: Bioinorganic, Organometallic & Polymers
Physical Chemistry IV: Quantum Chemistry & Molecular Spectroscopy

SEMESTER VI

- BSMD 601: Punjabi Compulsory
- BSMD 601 A: Punjabi Compulsory (Mudla Gyan/Elementary Punjabi)
- BSMD 602: Botany: Paper XI: Plant Ecology
Paper XII: Plant Utilization
- BSMD 603: Zoology: Paper XI: Medical Zoology
Paper XII: Medical Laboratory Technology
- BSMD 604: Chemistry: Inorganic Chemistry IV: Metal Complex & HASB theory
Organic Chemistry IV: Organic Spectroscopy, Heterocyclic Compounds
& Polymers