

Bachelor of Science Honours in Mathematics

(B.Sc. Honours Mathematics)

Course Code: BHMTH

Curriculum:

Semester-I

BHMTH 101 Environmental and Road Safety Awareness

BHMTH 102 Differential Calculus

BHMTH 103 Algebra and Trigonometry

BHMTH 104 Computer Fundamentals

BHMTH 104A Software Lab-I based on BHMTH 104

BHMTH 105 Mathematical Foundation of Statistics

BHMTH 106 English Communication Skills

BHMTH 107 Punjabi Compulsory

BHMTH 107A Punjabi Compulsory (MudlaGyan/Elementary Punjabi)

Semester-II

BHMTH 201 Sequence and Series

BHMTH 202 Plane and Solid Geometry

BHMTH 203 Database Management System

BHMTH 203 A Software Lab-II based on BHMTH 203

BHMTH 204 Linear Programming

BHMTH 205 English Communication Skills

BHMTH 206 Punjabi Compulsory

BHMTH 206A Punjabi Compulsory(Mudhla Gyan/Elementary Punjabi)

GN-201 Drug Abuse : Problem , Management and Prevention

Semester-III

BHMTH 301 Integral Calculus

BHMTH 302 Differential Equations- I

BHMTH 303 Number Theory-I

BHMTH 304 Programming Using C

BHMTH 304A Software Lab III based on BHMTH 304

BHMTH 305 Probability Theory

Semester-IV

BHMTH 401 Real Analysis

BHMTH 402 Vector Calculus and vector Mechanics

BHMTH 403 Number Theory-II

BHMTH 404 Computer Networks & Internet Technologies

BHMTH 404A Software Lab III based on BHMTH 404

BHMTH 405 Numerical Methods

Semester-V

BHMTH 501 Ring Theory

BHMTH 502 Mathematical Methods

BHMTH 503 Statics

BHMTH 504 Any one of the following

(i) Discrete Mathematics

(ii) Number Theory-I

BHMTH 505 Any one of the following

(i) A. Object Oriented Programming Using C++

B. Software Lab-V based on BHMTH 505 (i)

(ii) Optimization Techniques

Semester-VI

BHMTH 601 Complex Analysis

BHMTH 602 Linear Integral Equations

BHMTH 603 Dynamics

BHMTH 604 Any one of the following

(i) Metric Spaces

(ii) Number Theory-II

BHMTH 605 Any one of the following

(i) A. Advanced Database Management System
B. Software Lab-VI based on BHMTH 605 (i)A

(ii) Probability and Inferential Statistics