

**Dept. of Mathematics**

**Course outcome**

**B. Sc Maths – 3 year degree course**

Students will be able to understand following mathematical problems and their solutions –

**Semester I**

Differential, Integral and Vector Calculus, Integral Geometry, Higher Algebra

**Semester II**

Real Analysis, Differential Equation

**Semester III**

Theory of real functions, Group theory, Partial Differential Equation, Ordinary Differential Equation

**Semester IV**

Numerical methods, Integration & series of function, Ring theory and Linear Algebra

**Semester V**

Multivariate Calculus, Group Theory II, DSE1 - Linear Programming OR Number Theory OR Analytical Geometry, DSE2 – Industrial Mathematics OR Boolean Algebra & Automata Theory OR Probability & Statistics

**Semester VI**

Metric spaces and complex analysis, Ring theory & Linear algebra II, DSE3 – Theory of Equations OR Bio-mathematics OR Portfolio Optimization, DSE4 – Mathematical modeling OR Mechanics OR Differential Geometry