

B. Sc. Minor in Mathematics, NEP-2020

Programme Specific Outcome (PSO)

After the end of the program students will be learn:

- Analysis solved complex problem easily step by step, many techniques.
- Constitutes independent verdict and analysis, test, and explain technical arguments.
- Construct abstract models using appropriate mathematical and statistical tools.
- Collect and organize the qualitative and quantitative information such as related problems, example and counter example.
- Construct abstract models using appropriate mathematical and statistical tools.
- Students prepare for different competitive exam, corporate sector, and government agency.

COURSE OUTCOME (CO)

Course Code: MTMHMJ101

Course Title: Calculus, Geometry and Differential Equation

Outcomes:

- Students will learn about the hyperbolic function, concavity, inflection points, asymptotes, L'Hospital's rule and its application.
- Students will be able to differentiate the function successively and integrate the function using reduction formula.
- Students will learn how to draw graph of various type of curve.
- Students will learn how to classify the conic.
- Students will learn about the equation of conic in polar co-ordinate system and different type of properties.
- Student will have clear concepts about the conicoids and how to classify different conicoids.
- Students will know how to form differential equation from a family of curve and also how to solve a differential equation and many applications of differential equation.