

**Programme Outcomes, of M.Sc.. Mathematics:**

- Able to explain The Riemann-Stieltje's Integral, Sequence and Series, Power Series, Functions of Several Variables.
- Able to explain Groups, Conjugate elements ,Conjugate class ,Normalizer of an element of a group, Cauchy's theorem for Abelian group, Sylow's Theorem, p-group ,Finite Abelian group Rings, field.
- Able to explain Basic theory of Differential equation and Wronskian , Qualitative Properties of Solution and Oscillation theory, Power series Solution of Differential equation, Orthogonal Sets of functions and Sturm-Liouville Problem.
- Able to explain Topological Spaces, Separation Axioms, Connectedness, Metric space.
- Able to explain Partial Differential equations of first order ,Partial Differential equations of second order, Wave ,Laplace and diffusion Equations, Reduction of second order Partial differential equation into its Canonical ( or Normal) Form, Non – Linear Partial Differential equations of Second order.
- Able to explain Linear Algebra, Canonical form, Functionals and Dual Spaces, Number theory, Quadratic Residues.
- Able to explain Analytic function , Complex Integration ,Power series , Residues and poles , Spaces of Analytic Functions.
- Able to explain Metric spaces, Banach space, Hilbert spaces Finite Dimensional Spectral theory.
- Able to explain System of Nonlinear Equations, Interpolation and Approximation, Bivariate interpolation, System of Linear algebraic equations and Eigen value problems.
- Able to explain Measure and outer Measure, Measurable Functions, Convergence in Measure, Signed Measure.
- Those who have completed M.Sc Degree They are eligible for appear to attend NET/SLET/JRF .