

PROGRAM OUTCOME, PROGRAM SPECIFIC OUTCOME AND COURSE
OUTCOME

B. Sc. – 1 (MATHS)

COURSE OUTCOMES

ALGEBRA AND TRIGONOMETRY

1. Students able to knowledge relation and function, group theory, ring theory, field theory etc.
2. Students are able to solving problem of matrix, Theory of auction.

CALCULUS :

1. To solving the problem of continuous and discontinuous.
2. To solving differentials equation of various orders.
3. Students able to knowledge to tracing of curve and find the area of surface of integral.

VECTUR ANALYSIS AND GEOMETRY

1. Learns the scalar and vector product and theorem of Gauss, Green, Stokes theorems and its solution.
2. Understand the general equation of conic, sphere cone, cylinder.
3. Student able to know central conchoids, paraboloids etc.

B. Sc. – 2 (MATHS)

COURSE OUTCOMES

DIFFERENTIAL EQUATIONS

1. Student's able to solve Laplace transformation and inverse Laplace transformation, Bessel solution and various type of series solution of differential equation
2. Students are able to know the calculus of variations and solve them first and higher order of differential equation.

ADVANCE CALCULUS

1. Leans to complete the sequence and series of number and solve them.
2. Understand the concept of Envelopes, P.D. continuity of one variable and two variable
3. To solve problem of continuity, differentiability Beta and Gamma function and solve them.

MECHANICS

1. Solve the problem of analytic conditions of equilibrium of coplanar force, virtual work, catenary, force in three dimensional Harmonic motion and elastic etc.
2. Understand at velocity, acceleration and solving their problems.

B.Sc.3rd MATHEMATICS

PROGRAM OUTCOMES OF MATHEMATICS

- Demonstrate basic manipulative skills in algebra, geometry, trigonometry and mechanic and beginning calculus.
- Apply the underlying unifying structures of mathematics lie, series, Fourier series, Riemann integral, convergence & diconvergences of improper integral, matric space, complex analytic function, connectedness and fixed points theorem etc and relationships among them.
- Demonstrate proficiency in writing proofs and communicate mathematical ideals both orally & in writing.
- Investigate and apply mathematical problems and solution in a variety of contexts related to science technology, business and industry, and illustrate these solution using symbolic, numerical or graphical methods and also theatrically.
- Investigate and solve unfamiliar math's problems.

PROGRAM SPECIFIC OUTCOME

- Think in a critical manner.
- Familiarize the student's with suitable tools of mathematical analysis to handle issues and problems in mathematics and related sciences.
- Acquire good knowledge and understanding to solve specific theoretical and applied problems in advanced areas of mathematics and statistics.
- Provide student's sufficient knowledge and skill enabling them to undertake farther studies in mathematics and its allied areas on multiple disciplines concerned with mathematics.

- Encourage the student's to develop a range of generic skills helpful in employment, internship and social activates.
- This program will be also help students to enhance their employability for government jobs in banking insurance and investment sectors data analyst job's in various other public private enterprises.

B.SC 3 MATHS

COURES OUTCOMES

ANALYSIS

1. Students will be able to know the sequence and series, Fourier series of periodic function. Determine Riemann integral.
2. Students will be able to test convergence and diconvergence of improper integral.
3. Students are able to know analytic function, Mobius transformation, fixed points of theorem.
4. Students will learn the metric space complex function, completeness and complete ordered field.
5. Student's will be able to know that dense subset, first & second countable space also know compact space, extension theorem etc.

ABSTRACT ALGEBRA

1. Students will learn group theory, Solow's theorem, ideals, modules, vector space, normal group, Abelian group, ring theory etc.
2. Student's skill to solve any theorem by using above concept and also to solve problem of matrix, transformation orthogonal vectors etc.

DISCRETE MATHEMATICS

1. Students will have knowledge of graphs theory, trees, etc.
2. Student will know about the lattices, set's and proposition, relation and functions
3. Student able to solve Boolean algebras, recurrence relations and recursive algorithms.


(डॉ. पी.सी. घुतलहरे)
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