

Lesson Plan (2025-26)

Subject: Mathematics

class - B.com (IInd Sem)

MDC

14 January 2026 to 13 February 2026

Linear Programming: Formulation of Linear Programming Problems and their solution by graphical method. Applications of Linear Programming in solving social science and business problems.

14 February 2026 to 12 March 2026

Differentiation, Derivatives of simple functions and other functions having applications, maxima and minima of a function and their applications. Integrate of simple functions and its applications.

13 March 2026 to 3 April 2026

Simple interest, compound interest, annuities, Present Value and amount of an annuity, valuation of simple loans and debentures, Problems related to sinking funds.

4 April 2026 to 20 April 2026

Matrices and determinants, definition of matrix, order, equality, types of matrices, operation on matrices, addition multiplication with a scalar and their simple properties minors, cofactors, determinant, Properties of determinants

21 April to 30 April 2026

Application of determinants, solution of simultaneous linear equations.

PRINCIPAL
SNSMK GOVT. COLLEGE
BEHRAMPUR, BAPALI (Panna)

Dr. MANJU DEVI
Assistant Professor
Department of Mathematics

Lesson Plan (2025-26)

Subject: Mathematics

class: B.com IInd Sem

14 January 2026 to 13 February 2026

Linear Programming: Formulation of Linear Programming Problems and their solution by graphical method. Application of Linear Programming in solving social science and business Problems.

14 February 2026 to 12 March 2026

Differentiation, Derivatives of simple functions and other functions having application, maxima and minima of a function and their applications. Cost and Demand, Production, Profit functions and other functions related to business and commerce.

13 March 2026 to 3 April 2026

Binomial theorem, Permutation and Combinations

4 April 2026 to 20 April 2026

Integration: Definite and indefinite, basic rules of integration, application of integration in Commercial and business Problems.

21 April to 30 April 2026

Revision work

Maya

Dr. Manju Devi
Assistant Professor
Department of Mathematics

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BEHRAMPUR, BAPALI (Panipa)

Lesson Plan (2025-26)

Subject: - Mathematics

class: B.Sc/B.A 2nd (IV-Sem)

14 January 2026 to 13 February 2026

Scalar and vector product of three vectors, four vectors, reciprocal vectors, vector differentiation and derivative along a curve, directional derivatives; Gradient of a scalar point function, divergence and curl of vector point functions, their geometrical meanings and vector identities. Vector integration, Theorem of Gauss, Green, Stoke and Problems based on these.

14 February 2026 to 12 March 2026

General equation of second degree, Tangent at any Point to a conic, chord of contact, Pole of line to a conic, director circle of a conic, Polar equation of a conic tangent and normal to a conic, confocal conics.

13 March 2026 to 3 April 2026

Sphere: General form, plane section of a sphere, sphere through a given circle. Intersection of two spheres, tangent plane and line, polar plane and line, orthogonal spheres, radical plane of two spheres and co-axial system of spheres
Cone: equation of a cone, right circular cone, quadric cone, enveloping cone, tangent plane and condition of tangency.

4 April 2026 to 30 April 2026

Cylinder: Right circular cylinder and enveloping cylinder, central conicoids, equation of tangent plane, Director sphere, Normal to conicoids, Polar Plane of point, Enveloping cone of a conicoid.

21 April 2026 to 30 April 2026

Enveloping cylinder of a conicoid, confocal conicoid, Reduction of second degree equations. Revision work.



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