

Lesson Plan: (2023-2024)

Name : Ms. Greta Rani

Class : B.Com Ist year (Ist sem.)

Subject: Mathematics (Business Mathematics - I)

Dates	Lesson Plan
WEEK 1	Set Theory
WEEK-2	
WEEK-3	Set Theory, Logical statements and Truth Tables
WEEK-4	Logarithms
WEEK-5	Logarithms, Revision
WEEK-6	Arithmetic and Geometric Progression
WEEK-7	Arithmetic and Geometric Progression, Assignment
WEEK-8	Matrices
WEEK-9	Matrices
WEEK-10	Matrices
WEEK-11	
WEEK-12	Revision, Test
WEEK-13	Compound Interest
WEEK-14	Compound Interest
WEEK-15	Revision, Test

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Lesson Plan: (2023-2024)

Name : Ms. Geeta Rani
Class : B.A. Ist year (Ist Sem.)
Subject: Introductory Mathematics (MDC-1)

Dates	Lesson Plan
WEEK-1	Sets and Their representations, Empty Set, Finite and Infinite Sets, Subsets, Equals Sets, Power Sets, Universal Sets.
WEEK-2	Union, Intersection, Difference, Complement, Venn Diagram, De-Morgan's Laws and their applications.
WEEK-3	Matrices and Their types, operation on Matrices Symmetric & skew-symmetric Matrices, Minor, co-factors
WEEK-4	Determinant of square matrix, Adjoint & Inverse
WEEK-5	Sol's of a system of linear eq's up to order 3. Complex Numbers
WEEK-6	
WEEK-7	Linear Inequalities
WEEK-8	Quadratic Equations
WEEK-9	Revision, Test, Assignment - 1 Arithmetic Progression, Geometric Progression
WEEK-10	
WEEK-11	Harmonic Progression, Arithmetic Mean Geometric Mean, Harmonic Mean Relation b/w A.M., G.M. & H.M.
WEEK-12	Straight lines
WEEK-13	Straight lines
WEEK-14	Circles, Assignment - 2
WEEK-15	Revision, Test

Dr. Rani

Lesson Plan: (2023-2024)

Name : Ms. Greta Rani
Class : B.Sc. + B.A. 2nd year (3rd sem.)
Subject: Advanced Calculus

Dates	Lesson Plan
WEEK 1	
WEEK-2	Continuous Functions
WEEK-3	The Derivative and Mean value Theorems
WEEK-4	Indeterminate forms Assignment-1
WEEK -5	Limit and Continuity of functions of Two variables
WEEK-6	Partial Differentiation
WEEK -7	Revision, Test
WEEK-8	Differentiability of functions of Two variables
WEEK-9	Maximum and Minimum of $f(x, y)$'s of two variables
WEEK 10	Curves in space
WEEK-11	Curves in space, Assignment-2
WEEK-12	Circle of Curvature and spherical Curvature
WEEK-13	Involutes and Evolutes
WEEK-14	Concept of a Surface and Envelopes
WEEK-15	Revision, Test

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Lesson Plan: (2023-2024)

Name: Ms. Greta Rani
Class: B.Sc + B.A. 2nd Year (3rd Sem.)
Subject: Statics

Dates	Lesson Plan
WEEK 1	Forces Acting at a point
WEEK-2	Forces Acting at a Point
WEEK-3	Parallel forces
WEEK-4	Moments, Assignment-1
WEEK -5	Couples, Revision
WEEK-6	Analytical Conditions of Equilibrium of Coplanar forces
WEEK -7	Friction
WEEK-8	Centre of Gravity
WEEK-9	Revision, Test
WEEK 10	Virtual work
WEEK-11	Forces in Three Dimensions
WEEK-12	Wrenches, Assignment-2
WEEK-13	Null Lines and Null Planes
WEEK-14	Stable, Unstable and Neutral Equilibrium
WEEK-15	Revision, Test

Greta Rani

Lesson Plan: (2023-2024)

Name : Ms. Geeta Rani
Class : B.A. 2nd Year + B.Sc. 2nd Year (3rd sem.)
Subject: Partial Differential Equations

Dates	Lesson Plan
WEEK 1	Formation of P.D. Eq ^s
WEEK-2	First order Linear P.D. Eq ^s
WEEK-3	First order Non-Linear P.D. Eq ^s
WEEK-4	Linear P.D. Eq ^s of 1 st and Higher Orders
WEEK-5	Linear P.D. Eq ^s of 2 nd and Higher orders Revision, Assignment - 1
WEEK-6	P.D. Eq ^s with variable coefficients reducible to Eq ^s with constant coefficients
WEEK-7	Revision, Test
WEEK-8	Classification & Canonical forms of 1 st order Linear P.D. Eq ^s
WEEK-9	Classification & Canonical forms of 2 nd order Linear P.D. Eq ^s
WEEK 10	Mongel's Method for P.D. Eq ^s of 2 nd order
WEEK-11	Mongel's Method for P.D. Eq ^s of 2 nd order, Assignment - 2, Revision
WEEK-12	Characteristics of 2 nd order P.D. Eq ^s and Cauchy's Problem
WEEK-13	Method of Separation of variables: wave, Heat Equations
WEEK-14	Method of Separation of variables: Laplace Equations, Revision
WEEK-15	Revision, Test

Geeta Rani