

Lesson Plan: (2023-2024)

Name: Ms. Greta Rani
Class: B.Sc. + B.A. 2nd year (4th Sem.)
Subject: Programming in C and Numerical Methods

Dates	Lesson Plan
WEEK 1	
WEEK-2	Computers: A General Introduction, Introduction to C
WEEK-3	Introduction to C, Data Types
WEEK-4	operators and Expressions, Revision
WEEK -5	Decision Control Structures, Loops
WEEK-6	Functions, The C Preprocessors
WEEK -7	Arrays, Assignment - 1
WEEK-8	Manipulations of strings, Revision, Test
WEEK-9	Structures and Unions, Pointers
WEEK 10	Files in C, Revision
WEEK-11	Miscellaneous Features and Advanced Topic
WEEK-12	Solution of Algebraic and Transcendental Equations, Revision, Assignment - 2
WEEK-13	solution of Algebraic and Transcendental Eq ^{ns}
WEEK-14	Simultaneous Linear Algebraic Equations
WEEK-15	Simultaneous Linear Algebraic Equations
	Revision, Test

Greta Rani

Lesson Plan: (2023-2024)

Name : Ms. Geeta Rani
Class : B.Sc. + B.A. 2nd year (4th Sem.)
Subject: special functions

Dates	Lesson Plan
WEEK 1	Power Series
WEEK-2	Power Series
WEEK-3	Bessel's Equation and Function
WEEK-4	Legendre's Equation
WEEK -5	Hermite's Equation
WEEK-6	Revision, Assignment - 1, Test
WEEK -7	Laplace Transforms
WEEK-8	Inverse Laplace Transforms
WEEK- 9	Use of Laplace Transforms in Integral Eq ^s
WEEK 10	Solution of Differential Eq ^s by Laplace Transform
WEEK-11	Revision, Test, Assignment - 2
WEEK-12	Fourier Transforms
WEEK-13	Fourier Transforms
WEEK-14	Solution of D. Eq ^s by Fourier Transforms
WEEK-15	Revision, Test

Dr. Geeta

Lesson Plan: (2023-2024)

Name: Ms. Geeta Kani
Class: B.Sc. + B.A. 3rd Year, 6th Semester
Subject: Real and Complex Analysis

Dates	Lesson Plan
WEEK 1	Jacobians, Beta and Gamma functions
WEEK-2	Beta and Gamma functions, Double and Triple Integrals
WEEK-3	Dirichlet's Integrals, Change of order of integration in double integrals, Revision
WEEK-4	Fourier Series: Expansion, Properties, Dirichlet's Conditions.
WEEK -5	Poisson's Identity, Fourier Series for even and odd functions, Assignment - I
WEEK-6	Half Range Series, Change of Intervals, Revision Test
WEEK -7	Extended Complex plane, stereographic Projection
WEEK-8	Continuity & Differentiability of complex functions, analytic functions
WEEK-9	Cauchy - Riemann Equations, Harmonic functions.
WEEK 10	Revision, Test, Assignment - 2
WEEK-11	Mappings by Elementary functions: Translation, Rotation, magnification and Inversion.
WEEK-12	Conformal Mappings, Mobius Transformations,
WEEK-13	Fixed Points, Cross Ratio, Inverse Points and Critical Mappings.
WEEK-14	Revision, Test
WEEK-15	Revision, Test

