

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even(6)**

Subject:- Real and complex analysis

Month	Topic/ chapters to be covered
March(1-15)	Jacobians, Beta and Gamma functions
March(16-31)	Fourier series
April (1-10)	Calculus of complex functions,assignment and test
April (11-19)	Critical Mappings

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even(6)**

Subject:- Dynamics

Month	Topic/ chapters to be covered
March(1-15)	S.H.M.
March(16-31)	Elastic string, projectile
April (1-10)	Central orbit, assignment and test
April (11-19)	Newton law of motion

Summary of Lesson Plans of College Faculty

Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:- 6(Even)

Subject:- Linear Algebra

Month	Topic/ chapters to be covered
March(1-15)	Vector space and subspace and its related theorem
March(16-31)	Basis and dimensions ,Linear transformation
April (1-10)	Rank,Nulity,Algebra of linear transformation ,Matrix of linear transformation ,assignments and test
April(11-19)	Eigen value and eigen vectors,inner product space

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even (4)**

Subject:- sequence and series

Month	Topic/ chapters to be covered
March(1-15)	Infinte series,;All forms of comparison tests,hyper harmonic p series
March(16-31)	Guass test,ratio test,Raabes test,Cauchy integral test and its examples
April (1-10)	Altenating series Leibnitz test,arbitrary series ,Abels test ,Abels lemma ,Dirichlets test and ite examples,assignments
April(11-19)	Topology of real numbers ,Sequence ,Definition and its theorems and examples

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even (4)**

Subject:- Special Functions and Integral Transforms

Month	Topic/ chapters to be covered
March(1-15)	Power series
March(16-31)	Legendre's equation
April (1-10)	Laplace and inverse Laplace transforms
April(11-19)	Fourier transforms

Summary of Lesson Plans of College Faculty

Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:- Even(4)

Subject:-programming in c

Month	Topic/ chapters to be covered
March(1-15)	Introduction to c
March(16-31)	Arrays,pointer
April (1-10)	Bisection method, Test
April (11-19)	Regula- falsi method, Newton Raphson

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even(2)**

Subject:- O.D.E

Month	Topic/ chapters to be covered
March(1-15)	Exact Differential Equations
March(16-31)	Linear differential equation with constant coefficient
April (1-10)	Linear differential equation of second order,assignment and test
April (11-19)	Ordinary simultaneous differential equation

Summary of Lesson Plans of College Faculty

Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:- Even(2)

Subject:- vector calculus

Month	Topic/ chapters to be covered
March(1-15)	Multiple products of vectors
March(16-31)	Gradient, Divergence and curl
April (1-10)	Curvilinear coordinator,assignment and test
April (11-19)	Vector integration

Summary of Lesson Plans of College Faculty

Name of Teacher :- Dr. Renu Priya Session:- 2023-2024

Semester:- Even

Subject:- Number Theory and Trigonometry

Month	Topic/ chapters to be covered
March (1-15)	Divisibility,L.C.M,G.C.D ,prime factozation theorem,fundamental theorem of arithmetic
March(16-31)	Linear congruencesand its solutions ,Eulers function and residue system
April (1-10)	Some function of number theory,greatest integer function ,mobius function ,inversion formula ,demorvies theorem and its applications assignment and test
April(11-19)	Logarithm of a complex quantity,inverse circular and inverse hyperbolic function

Signature Of Teacher

Summary of Lesson Plans of College Faculty

**Name of Teacher :- Dr.Renu Priya Session:- 2023-2024 Semester:-
Even(2)**

Subject:-B.mathematics

Month	Topic/ chapters to be covered
March(1-15)	Algebra of Matrices
March(16-31)	Differentiation
April (1-10)	Compound interest , Test
April (11-19)	Ratio and proportion