Class – XII
Subject- Mathematics
Syllabus

Month	Name of	Contents	Teaching	Revision
	Chapter		Period	period
April	Relations and	Introduction	19	3
	Functions	Types of Relations		
		Types of Functions		
		Composition of Functions and		
		Invertible Functions		
		Binary operations		
	Inverse	Introduction		
	Trigonometric	Basic Concepts		
	Functions	Properties of Inverse Trigonometric		
		Functions		
May	Matrices	Introductions Matrix	20	3
-		Types of Matrices		
		Operations on Matrices. Transpose		
		of a Matrix.		
		Symmetric and Skew Symmetric		
		Matrices. Elementary operation		
		(Transformation) of a matrix		
		Invertible Matrix		
	Determinants	Introduction		
		Determinant		
		Properties of Determinants, Area of		
		Triangles. Minors and cofactors.		
		Adjoint and Inverse of a Matrix.		
		Application of Determinants and		
		Matrices.		
June		Summer Vacation	1	1
July	Continuity and	Introduction	19	3
	Differentiability	Continuity		
		Differentiability.		
		Exponential and Logarithmic		
		Functions		
		Logarithmic Differentiation		
		Derivatives of Functions in		
		Parametric Forms		
		Second order Derivatives		
		Mean Value Theorm.		
August	Application of	Introductions	19	3

	Derivatives	Rate of Change of Quantities		
	Denvauves	Increasing and Decreasing		
		Functions		
		Tangents and Normals		
		Approximations		
		Maxima and Minima		
Santambar	Integrals	Introduction	5	10
September	Integrais	Integration as an Inverse	5	10
		Process of Differentiation		
		Mathad of Integration		
		Integrals of Some Particular		
		Functions		
		Integration by partial fractions		
		Integration by partial fractions		
		D C i Lt 1	17	2
October	Application of	Definite integral	1/	3
	Integrals	Fundamental theorm of Calculus		
		Evaluation Definite Integrals by		
		substitutions.		
		Some Properties of Definite		
		Intergrals		
		Introduction		
		Area Under simple Curve,		
	5:00 : 1	Area between Two Curves		
	Differential	Introduction		
	Equations	Basic Concepts		
		General and Particular solutions of		
		a Differential		
		Formation of a Differential		
		Equation whose General Solutions		
		is given.		
		Method of solving First order, First		
		degree		
	D 1 1 11	Differential Equation	1.4	2
November	Probability	Introduction	14	3
		Conditional Probability		
		Multiplication Theorm on		
		Probability		
		Independent Events		
		Bayes Theorm.		
		Random Variables and its		
		Probability Distributions		
		Bernoulli Trials and Binomial		
		Distribution		

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December	Vectors	Introduction	15	3
		Some Basic Concepts		
		Types of Vectors		
		Addition of Vectors		
		Multiplication of vector by a scalar		
		Product of Two vectors		
	Linear	Introduction		
	Programming	Linear Programming		
		Problems and its Mathematical		
		Formulation.		
		Different Types of a linear		
		Programming Problems		
January	Three	Introductions	8	3
	Dimensional	Direction cosines and Direction		
	Geometry	ratio of a line		
		Equation of a line in space		
		Angles between Two lines		
		Shortest Distance between Two		
		lines		
		Planes		
		Co planarity of Two lines		
		Angle between Two Planes		
		Distance of a point from a plane.		
		Angle between a line and a plane		
February		Revision		
March		Examination		