BAGARIA BAL VIDYA NIKITAN

LAXMANGARH-SIKAR

SYLLABUS & LESSON PLANNER-2023-24

Class:-	12	
Subject:-	mathematics	
Teacher Name:-	praveen	

SYLLABUS

Ch.No	NAME OF BOOKS	Name of Chapter	working day	Period	Topic	Month	Week
3	ncert	Matrices	22	33	Matrices Types of Matrices	April	3
					Operations on Matrices		
					Transpose of a Matrix		
					Symmetric and Skew Symmetric Matrices		
					Invertible Matrices		
4		Determinant	11	16	Determinant	may	2
					Area of a Triangle		
					Minors and Cofactors		
					Adjoint and Inverse of a Matrix		
					Applications of Determinants and Matrices		
2		Inverse Trigonometric Functions	13	19	Basic Concepts	june	2
					Properties of Inverse Trigonometric		
		Continuity and			Continuity , Differentiability	july	3
					Exponential and Logarithmic Functions		

5		Continuity and Differentiability	25	37	Logarithmic Differentiation		
					Functions in Parametric Forms		
					Second Order Derivative		
6		Application of Derivatives and Probability	26	39	Rate of Change of Quantities	Aug.	4
					Increasing and Decreasing Functions		
					Maxima and Minima		
					Conditional Probability		
					Multiplication Theorem on Probability		
1		Relations and Functions	24	36	Types of Relations	sep.	4
					Types of Functions		
					Composition of Functions		
					Invertible Function		
7		Integrals	9	13	an Inverse Process of Differentiation	oct.	1
					Methods of Integration		
					Integrals of Some Particular Functions		
					Integration by Partial Fractions		
					Integration by Parts		
8		. Application of Integrals	22	33	Definite Integral	nov.	3
					Fundamental Theorem of Calculus		
					Some Properties of Definite Integrals		
					Area under Simple Curves		
9 ,10		Differential Equations and Three Dimensional Geometry	24	36	Basic Concepts	dec	3
					Methods of Solving First Orde		
					Direction Cosines and Direction Ratios of a Line		
					Equation of a Line in Space		

					Angle between Two Line		
10		Three Dimensional Geometry / Revision	24	36	Linear Programming Problem	Jan	3
					Mathematical Formulation		
		Revision	25	37		Feb.	4
		Revision	9	13		MARCH	