BAGARIA BAL VIDYA NIKITAN

LAXMANGARH-SIKAR

SYLLABUS & LESSON PLANNER-2022-23

Class:-	12th
Subject:-	Mathematics
Teacher Name:-	Praveen Saini

SYLLABUS

Ch.No	Name of Chapter	working day	Period	Topic	Month	Week
2	Inverse Trigonometric functions	21	24	Range, Domain, Prince value branch		
				Graphs of inverse trignometric functions	April	3
3	Metrices			Operation on matrices		
				Multiplication and Scalar Multiplication		
				Invertible Matrices	April	
4	Determinants	17	16	Determinants of a square matrices		
				Minors and Co-factores	may	3
				Adjoint and Inverse of a square matrices		
5 & 6	Continuity and Differentiability and applications	9	8	Derivative of Inverse Trigonometric Functions	June	1
				Implicit Functions		
				Exponential and logarithmic and second order derivatives		
				Rate of Change of Bodies		
				Increasing/ Decreasing Functions, Maxima & Minima		
7 & 8	Integrals and Application	26	16	Integration as inverse and process of differentiation		
				Variety of functions by substitution	july	2
				Partial fraction and by parts		
				Applications in finding the area under simple curves		
				Especially lines, circles/parabolas/ellipses		
				Conditional probability	Aug	4

13	probability	23	24	Independent events, total probability		
				Bayes'theorem Random variable and its probability distribution		
				Mean of random varies		
12	Linear programming, Revision	25	24	Object function		
				Optimization, graphical method of solution		
				feasible and infeasible regions	SEPT	4
				Optimal feasible solution		
10	vector Algebra	25	24	Vector and scalar, magnitude and directions		
				Types of vectors(equals, unit, zero..)		
				position vector ,negative of a vector	Nov	4
				Geometrical Interpretation		
11	Three-dimensional geometry	21	24	Direction cosines and direction ratios of a line	Dec	3
				Cartesian equation and vector of a line skew lines		
				Angle between two lines		
	Revision	24	24		Jan	4
	Revision	23	24		Feb	