

## Lesson Plan

Subject Mathematics-11 (Code) \_\_\_\_\_ Name of faculty Kajal priya pani

Semester 2nd Class allotted 75 Branch ALL

Discipline	Semester	From date	To date	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1	20.03.2023	Introduction of vectors.		White board & Marker
	+0	Type of vectors.		
		Representation of vectors		
	25.03.2023	Magnitude & direction of vector		
2		Addition of vectors		White board & Marker
	27.03.2023	Subtraction of vectors		
	+0	Problems		
	31.03.2023	Position vector.		
3		Scalar product of two vectors		White board & Marker
	03-04-2023	Problems.		
	+0	Geometrical meaning of dot product		
	08.04.2023	Angle bet <sup>n</sup> two vectors, problems		
4		Vector product & geometrical meaning		White board & Marker
	10-04-2023	Definition of function.		
	+0	Type of function, Constant fun <sup>n</sup>		
	15.04.2023	Identity function.		
5		Absolute value function		White board & Marker
	17-04-2023	The greatest integer function		
	+0	Trigonometric function		
	22.04.2023	Exponential function.		
6		Logarithmic function		White board & Marker
	24-04-2023	Introduction of limit.		
	+0	Existence of limit.		
	29-04-2023	Method of evaluation of limit.		
7		Problems of limit.		White board & Marker
	01-05.2023	Introduction of Derivatives.		
	+0	Derivative of a function at a point.		
	06-05-2023	Algebra of derivatives.		
		Derivatives of standard function		White board & Marker
		Problems of derivatives.		
		Exercise question.		
		Exercise.		
		Exercise.		

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8	08-05-2023	Derivatives of Composite function	White board
	to	Methods of parametric function.	Marker
	13-05-2023	Implicit function, problems.	
9	15-05-2023	Logarithmic function	White board
	to	A function with another function	Marker
	20-05-2023	Successive differentiation.	
10	22-05-2023	partial diff. eqn, problems	White board
	to	problems on derivatives.	Marker
	27-05-2023	introduction of integration	
11	29-05-2023	integrals of standard function	White board
	to	Method of integration	board &
	03-06-2023	integration by substitution	Marker
		integration by parts, problems	
12	05-06-2023	integration of other forms	White board
		problems	board &
	to	Definite integrals, problems	Marker
	10-06-2023	properties, problems.	
13	12-06-2023	Application of integration	
	to	problems, Area enclosed by curve.	White board &
	17-06-2023	Area of a circle with centre.	Marker
14	19-06-2023	Introduction of Diff. eqn?	
	to	order of diff. eqn?	White board
	24-06-2023	Degree of a diff. eqn.	board &
15		Solution of differential eqn?	Marker
	26-06-2023	problems.	
	to	problems.	
	27-06-2023	1st order & 1st degree. diff. eqn?	
	problems.		
	Linear eqn $\frac{dy}{dx} + Py = Q$ .	White board	
	problems	& Marker	
	27-06-2023	problems	
		problems	

  
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