



Lesson Plan of **Methods Of MathematicS** for class **MAT S1 (23-26)**

Faculty: Aswathy M R

Available Hours: **37**

Planned Hours: **0**

Sl.No	Date	Per	Mod	Sub Topic	Mode	Remarks
1	25-07-2023	P4			T	
2	28-07-2023	P2			T	
3	01-08-2023	P4			L	
4	04-08-2023	P2			T	
5	08-08-2023	P4			L	
6	11-08-2023	P2			T	
7	18-08-2023	P2		The basic concepts of calculus like limit of functions especially infinite limits and limits at infinity	T	
8	22-08-2023	P4		Continuity of functions, basic differentiation	L	
9	25-08-2023	P2		Derivatives of standard functions, implicit differentiation	T	
10	05-09-2023	P4		Differentiating equations to relate rates	L	
11	08-09-2023	P2		How derivatives can be used to approximate nonlinear functions by linear functions	T	
12	12-09-2023	P4		Error in local linear approximation, differentials	L	
13	15-09-2023	P2		Increasing and decreasing functions and their analysis	L	
14	19-09-2023	P4		Increasing and decreasing functions and their analysis	T	
15	22-09-2023	P2		Increasing and decreasing functions and their analysis	T	
16	26-09-2023	P4		Concavity of functions	L	
17	03-10-2023	P4		Points of inflections of a function and applications	L	
18	06-10-2023	P2		Finding relative maxima and minima of functions and graphing them	L	
19	10-10-2023	P4		Critical points	T	Last date for submission of Assignment/Seminar/Conduct of Class test
20	13-10-2023	P2		First and second derivative tests	T	

Sl.No	Date	Per	Mod	Sub Topic	Mode	Remarks
21	17-10-2023	P4		Multiplicity of roots and its geometrical interpretation	T	
22	20-10-2023	P2		Rational functions and their asymptotes	L	
23	27-10-2023	P2		Tangents and cusps on graphs	T	
24	31-10-2023	P4		Absolute maximum and minimum,	L	
25	03-11-2023	P2		Behavior of Absolute maximum and minimum on various types of intervals	L	
26	07-11-2023	P4		Applications of extrema problems	L	
27	10-11-2023	P2		Infinite and infinite intervals	T	
28	14-11-2023	P4		Applications to Economics	L	Internal Exam
29	17-11-2023	P2		Motion along a line	T	Internal Exam
30	21-11-2023	P4		Velocity and speed	L	
31	24-11-2023	P2		Acceleration	L	
32	28-11-2023	P4		Position - time curve,	L	Class PTA , Remedial Classes
33	01-12-2023	P2		Rolle's Theorem	L	
34	05-12-2023	P4		Mean value theorem	L	
35	08-12-2023	P2		Exponential and Logarithmic functions	L	
36	12-12-2023	P4		Indeterminate forms and L'Hopital's rule.	T	
37	15-12-2023	P2		Indeterminate forms and L'Hopital's rule.	P	Classes ends