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Detailed Teaching Plan

Lecture No.	Unit No.	Topics to be covered	Planned Date	Excution Date	Remarks	
1	Unit-1 (Integral Calculus)	1.1 Simple Integration: Rules of integration and Integration of standard functions.	18.03.2025	20.03.2025		
02			19.03.2025	21.03.2025		
03		1.2 Method of Integration -	1.2.1 Integration by Substitution	20.03.2025		24.03.2025
04				21.03.2025		26.03.2025
05				24.03.2025		27.03.2025
06		1.2.2 Integration by Parts		26.03.2025		01.04.2025
07				27.03.2025		02.04.2025
08		1.2.3 Integration by Partial function		28.03.2025		03.04.2025
09				01.04.2025		04.04.2025
10				02.04.2025		07.04.2025
11	08.04.2025			08.04.2025		
12	09.04.2025			09.04.2025		
13	Unit-2 Applications of Integral Calculus	2.1 Definite Integration	10.04.2025	11.04.2025		
14			11.04.2025	11.04.2025		
15			12.04.2025	15.04.2025		
		2.1.1 Simple Examples	15.04.2025	16.04.2025		
			16.04.2025	16.04.2025		
			17.04.2025	16.04.2025		
		2.1.2 Properties of definite Integral and simple Examples	18.04.2025	18.04.2025		
			19.04.2025	19.04.2025		
			20.04.2025	20.04.2025		

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16		2.2 Applications of Integration	2.2.1 Area under the curve	16.04.2025	17.04.2025
17				17.04.2025	21.04.2025
18		2.2.2 Area between two curves		21.04.2025	22.04.2025
19				22.04.2025	23.04.2025
20				23.04.2025	24.04.2025
21	24.04.2025	25.04.2025			
22	Unit-3 Differential Equations of first order and first degree	3.1 Concept of differential equation		26.04.2025	26.04.2025
23				28.04.2025	28.04.2025
24		3.2 Order, degree and formation of differential equation		29.04.2025	29.04.2025
25				30.04.2025	30.04.2025
28	3.3 Solution of differential equation			30.04.2025	30.04.2025

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26 27		3.31 Variable Separable form	01.05.2025 02.05.2025	01.05.2025 02.05.2025	
28 29 30 31		3.32 Homogeneous Differential Equations	03.05.2025 05.05.2025 06.05.2025 07.05.2025	03.05.2025 05.05.2025 06.05.2025 07.05.2025	
32 33		3.33 Linear differential equation	08.05.2025 09.05.2025	08.05.2025 09.05.2025	
34	Unit-4	Introduction of algebraic and transcendental equations	25.06.2025	25.06.2025	Class test - I 13-05-2025 to 15-05-2025
35 36 37	Numerical Solutions of Equations	4.1 Bisection Method	26.06.2025 27.06.2025 28.06.2025	26.06.2025 27.06.2025 28.06.2025	Summer Vacation From 15.05.2025 to 15.06.2025
38		4.2 Regula Falsi Method	30.06.2025	30.06.2025	

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39			01.07.2025	01.07.25	
40 41		4.3 Newton-Raphson Method	02.07.2025 03.07.2025	02.07.25 03.07.25	
42 43	Unit-5	5.1 Trapezoidal rule	04.07.2025 05.07.2025	04.07.25 05.07.25	
44 45	Numerical Integration	5.2 Simpson's One third rule	07.07.2025 08.07.2025	07.07.25 08.07.25	
46 47 48 49 50		5.3 Simpson's three eighth rule	09.07.2025 10.07.2025 11.07.2025 12.07.2025 15.07.2025	09.07.25 10.07.25 12.07.25 15.07.25 16.07.25	
51		Revision of first unit		17.07.25	

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52		Revision of Second Unit		18-07-2028	
53				25-07-2028	
54				26-07-2028	
55				28-07-2028	
56				30-07-2028	
57				31-07-2028	
58				01-08-2028	
59			Revision of Third Unit		02-08-25
60				05-08-25	
61				06-08-28	
62				07-08-25	
63		Revision of fourth Unit		08-08-28	
64				18-08-25	
65				19-08-25	
66				20-08-25	
67				21-08-28	
68		Revision of fifth Unit		22-08-25	
69				23-08-28	
71				25-08-28	
72				27-08-28	
73				29-08-25	

SM
Principal