

Sr.No		
1	Week 1 1-1-2025 to 4-01-2025	→ Jacobins
2		→ Functional Dependence (or non-independence)
3		→ Beta function
4		→ Properties of Beta function
5		
6		
7	Week 2 6-01-2025 to 10-01-2025	→ Gamma function
8		→ Recurrence formula for Gamma fun.
9		→ Double integral
10		→ Substitution method for double Integrals.
11		
12		
13	Week 3 10-02-2025 to 15-02-2025	→ Triple Integral
14		→ Substitution method for triple Integrals
15		→ Applications of double and triple
16		Integrals for finding Area and Volume.
17		
18		
19		
20	Week-4 17-02-2025 to 22-02-2025	→ Dirichlet's Integral
21		→ Liouville's Extension of Dirichlet's
22		Integrals.
23		→ Change of order of integration.
24		
25		
26		
27	Week-5 24-02-2025 to 01-03-2025	→ Fourier Series: for even and odd func.
28		Dirichlet's Condition.
29		→ Examples.
30		→ Fourier expansion of functions having
31		points of discontinuity.
32		
33	Week-6 03-03-2025 to 08-03-2025	→ Change of Interval.
34		→ Half Range series.
35		→ Parseval's Identity for Fourier Series
36		Examples.
37		
38		
39		
40		→ Stereographic Projection of complex
41		numbers.
42		

43	Week 7	Examples.
44	17-03-2025	→ limit of a complex function continuity
45	to	
46	22-03-2025	of a complex function.
47		→ Differentiability of a complex function
48		Analytic function.
49		
50	Week-8	
51	24-03-2025	→ Cauchy-Reimann eq ⁿ (C-R eq ⁿ)
52	to	
53	24-03-2025	→ C-R eq ⁿ in Polar form.
54		→ Orthogonal system
55		→ Harmonic function
56		Examples.
57		
58	Week-9	
59	31-03-2025	→ Milne-Thompson's Method
60	to	
61	05-04-2025	→ Elementary function.
62		
63		→ The exponential function.
64		→ Properties of Trigonometrical fun:
65		Hyperbolic Functions.
66	Week-10	
67	07-04-2025	→ Mapping by elementary function.
68	to	
69	12-04-2025	
70		→ Translation, Rotation, magnification.
71		conformal mapping.
72		
73	Week-11	
74	14-04-2025	→ Linear transformation, Möbius transformation.
75	to	
76	19-04-2025	critical points.
77		→ Fixed point and invariant points.
78		Examples.
79		
80	Week-12	
81	21-04-2025	→ Cross Ratio
82	to	
83	26-04-2025	→ critical mapping.
84		examples.
85		
86		→ Revision
87	Week-13	
88	28-04-2025	→ class test.
89	to	
90	30-04-2025	