

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	4/5	14/2	Introduction of Matrix	2	CR	
2	5/5	15/2	Concept of Rank by echelon form and Normal form.		CR	
3	5/5	18/2	Problems on Rank of Matrix by echelon form		CR	
4	24	19/2	Problem on Rank of Matrix by Normal form		CR	
5	6/5	20/2	Problem on Inverse of Matrix by elementary transformations		CR	
6	4/5	23/2	Problems on Rank of Matrix by Normal form with PAQ		CR	
7	4/5	24/2	Problem on Rank of Matrix by Normal form with PAQ		CR	
8	5/5	25/2	Concept of Systems of Linear Equations by Rank method		CR	
9	24	26/2	Problem of Systems of Equations by Direct method.		CR	
10	6/5	27/2	Problem on Systems of Equations by Direct method		CR	
11	4/5	2/3	Problems on Systems of Equations by Gauss elimination method		CR	
12	4/5	3/3	Problems on Systems of Equations by Gauss Jordan method		CR	
13	5/5	4/3	Problem on Systems of Equations by Gauss Seidel		CR	
14	27	5/3	Problem on Systems of Equations by Gauss Seidel method.		CR	
	6/5	6/3			CR	
	4/5 to 21/3	7/3 to 21/3	Inter Sem Break			
15	4/5	23/3	Problems on Systems of Homogeneous Linear Equations by Direct method		CR	
16	4/5	24/3	Concept of Eigen Value and Vector	II	CR	
17	5/5	25/3	Properties of Eigen value		CR	
18	27	26/3	Properties of Eigen value		CR	



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19	4th 29/3	Problems on Eigen Values and Vectors		CR		
20	4th 30/3	Problems on Eigen Values and Vectors		CR		
21	4th 31/3	Problems on Cayley-Hamilton Theorem		CR		
22	5th 1/4	Problems on Cayley-Hamilton Theorem		CR		
	9/4 To 4/4 }	MID-I Exams				
23	4th 6/4	Problems on Power of the Matrix		CR		
24	4th 8/4	Concept of Quadratic forms		CR		
25	5th 8/4	Problems on Q.F. related to Gram's form and its nature.		CR		
26	2nd 9/4	Problems on G.F by Diagonalization		CR		
27	6th 10/4	Problems on G.F by orthogonalization		CR		
28	4th 13/4	Problems on G.F by orthogonalization		CR		
29	5th 15/4	Problems on G.F by Laplace's Exp.		CR		
30	2nd 16/4	Concept of Fourier Series	II	CR		
31	5th 17/4	Problems on Fourier Series		CR		
32	4th 20/4	Problems on Fourier Series		CR		
33	4th 21/4	Problems on odd & even Fourier Series		CR		
34	5th 22/4	Problems on odd & even Fourier Series		CR		
35	2nd 23/4	Problems on half-range Fourier Series		CR		
36	5th 24/4	Problems on half-range Fourier Series		CR		



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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
37	4th 27/4	Problems on Fourier Series other than $(0, 2\pi), (\pi, \pi)$		CR		
38	4th 28/4	Problems on Fourier Series other than $(0, 2\pi), (\pi, \pi)$		CR		
39	5th 29/4	Problems on Fourier Series - 2nd theorem		CR		
40	2nd 30/4	Properties of Fourier Series		CR		
41	6th 1/5	Problems on Fourier Series & Co-line integrals		CR		
	4/5 to 16/5	Summer Vacation				
42	4th 18/5	Problems on Fourier Series & Co-line integrals		CR		
43	4th 19/5	Problems on infinite Fourier Series		CR		
44	5th 20/5	Problems on infinite Fourier Series		CR		
45	2nd 21/5	Problems on finite Fourier Series		CR		
46	6th 22/5	Problems on finite Fourier Series		CR		
47	4th 25/5	Concept & standard form of Z-transform	IV	CR		
48	4th 26/5	Standard function of Z-transform		CR		
49	5th 28/5	Problems on Z-transform by Damping Rule		CR		
	28/5 to 30/5	MID-II EXAMS				
50	4th 1/6	Problems on Z-transform by Shifting Rule		CR		
51	4th 2/6	Problems on Z-transform by initial and final value		CR		
52	5th 3/6	Problems on Z-transform by initial and final value		CR		
53	2nd 4/6	Problems on Z-transform by Inversion		CR		



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Period	Date (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
54	6th 5/6	Problems on 2. transform by Laplace		CR		
55	4th 8/6	Problems on inverse 2. transform by Laplace		CR		
56	4th 9/6	Problems on inverse 2. transform by partial fractions		CR		
57	5th 10/6	Problems on inverse 2. transform by partial fractions		CR		
58	2nd 11/6	Problems on inverse 2. transform		CR		
59	6th 12/6	Problems on inverse 2. transform by Convolution theorem		CR		
60	4th 15/6	Problems on inverse 2. transform by properties		CR		
61	4th 16/6	Solution of diff. Eqs by 2. transform		CR		
62	5th 17/6	Solution of diff. Eqs by 2. transform		CR		
63	2nd 18/6	Concept of gamma and its properties	V	CR		
64	6th 19/6	Problems on gamma func.		CR		
65	4th 22/6	Concept of Beta and its properties		CR		
66	4th 23/6	Problems on Beta function		CR		
67	5th 24/6	Properties of Beta function		CR		
68	2nd 25/6	Problems on Beta function		CR		
69	6th 26/6	Problems on Beta & gamma function		CR		
70	4th 29/6	Concept of Digamma Beta & gamma on		CR		
71	4th 30/6	Problems on Beta & gamma function		CR		
72	5th 1/7	Problems on Beta & gamma functions		CR		
	2/7 to 4/7	MID-TH EXAMS				