

LESSON PLAN

Period	Date (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Act Upon Review	Page
1	16-2-15	Matrix, types, inverse of a matrix	I				
2	17-2-15	Rank - definition Find rank using definition.					2
3	18-2-15	Echelon form, Normal form-defn.					1
4	19-2-15	Calculation of rank using echelon form					3
5	20-2-15	Calculation of rank using Normal form					4
6	23-2-15	Solution of linear System - Direct method					5
7	24-2-15	Gauss elimination method - problems					6
8	25-2-15	Gauss Jordan Method - Problems					2
9	26-2-15	Gauss Seidal Method - Problems.					
10	27-2-15	Tutorial.					
11	2-3-15	Eigen values, eigen vectors - definition	II				
12	3-3-15	Properties					
13	4-3-15	Properties					
14	5-3-15	Cayley's Hamilton Theorem					
15	23-3-15	problems - Cayley's theorem					
16	24-3-15	Inverse & powers of matrix - problems					
17	25-3-15	Quadratic to Normal form.					
18	26-3-15	Problems					
19	27-3-15	Problems					
20	30-3-15	Nature of normal form.					

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21	31-3-15	Tutorial - Cayley's theorem - problems				
22	1-4-15	"				
23	2-4-15	Tutorial - Quadratic form.				
24	3-4-15	Free vibration of two mass system.				
25	6-4-15	Fourier Series exp., Fourier Coeffic.	III			
26	7-4-15	Determine Fourier Series - problems, for diff. intervals				
27	8-4-15	Problems				
28	9-4-15	Fourier series expansion for odd & even func.				
29	10-4-15	Problems.				
30	13-4-15	Half range Sine & Cosine series				
31	14-4-15	Problems				
32	15-4-15	Fourier integral Theorem, formulae	III			
33	16-4-15	Fourier Sine & Cosine integrals				
34	17-4-15	Problems				
35	20-4-15	FT, Fourier Sine, Cosine transforms				
36	21-4-15	Properties				
37	22-4-15	Problems				
38	23-4-15	Problems				
39	24-4-15	Inverse Fourier transform				
	27-4-15	"				

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40	28-4-15	Problems	<u>III</u>				
41	29-4-15	Finite Fourier transforms - problems	3				
42	30-4-15	Z-transforms - defn. Z-trans. of Basic functions	<u>IV</u>				
43	1-5-15	Properties					3
44	18-5-15	Damping, Shift rules problems.					1
45	19-5-15	Initial & final value theorems - proofs.					5
46	20-5-15	Problems					
47	21-5-15	Inverse Z-transform by formula,					
48	22-5-15	Inverse - partial fractions					
49	25-5-15	Inverse by convolution theorem.					
50	26-5-15	Problems.					
51	27-5-15	Application - Solution of Difference eqn.					
52	01-6-15	Problems.					
53	2-6-15	Problems					
54	3-6-15	Tutorial					
55	4-6-15	Tutorial.					
56	5-6-15	Special function, Gamma, Beta function	<u>V</u>				
57	8-6-15	Properties					
58	9-6-15	Properties.					
59	10-6-15	Relation between beta & gamma functions					

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	11-6-15	Problems	<u>V</u>			
2	12-6-15	Problems				
3	15-6-15	Functions of \sin				
4	16-6-15	functions ^{per integer} - problems				
5	17-6-15	Problems.				
6	18-6-15	Revision / Remedial				
7	19-6-15	Find rank - revision				
8	22-6-15	Find eigen values & eigen vectors				
9	23-6-15	Problems				
10	24-6-15	Cayley - proof				
11	25-6-15	Fourier series - proof				
12	26-6-15	Z-transform of some func.				
13	29-6-15	Problems				
14	30-6-15	Special function				
15	01-7-15	Revision				
16						
17						
18						
19						
20						

9/10/15