

LESSON PLAN

S.No	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	5 th	28/12/15	Matrices (Introduction)	I (12)	C.R.		
2	7 th	31/12/15	Rank - def echelon form	"	"		
3	5 th	4/01/16	Normal form	"	"		
4	7 th	7/01/16	Normal form with PAQ	"	"		
5	2 nd	8/01/16	sol ⁿ of linear system ($AX=B$) of eq's - Gauss elimination	"	"		
6	3 rd	8/01/16	By Gauss - Jordan	"	"		
7	5 th	11/01/16	By Gauss - seidel method	"	"		
8	7 th	12/01/16	By Rank method	"	"		
9	2 nd	12/01/16	problems	"	"		
10	3 rd	12/01/16	To solve $AX=0$, by Rank method	"	"		
11	5 th	18/01/16	problems	"	"		
12	7 th	21/01/16	problems	"	"		
13	2 nd	22/01/16	Eigen values & eigenvectors	II (12)	"		
14	3 rd	22/01/16	problems	"	"		
15	5 th	25/01/16	Properties of eigen values	"	"		
16	7 th	28/01/16	problems	"	"		
17	2 nd	29/01/16	Cayley - Hamilton thm	"	"		

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18	3 rd	29/01/16	To find inverse, Power of A by C.H.T.	II	C.R.		
19	5 th	01/02/16	Quadratic form (Intro). Rank, index, nature & signature	4	"		
20	7 th	3/02/16	To reduce Q.F. to C.F. by diagonalization	4	"		
21	2 nd	4/02/16	Problems	4	"		
22	3 rd	4/02/16	By orthogonal transformation	6	"		
23	5 th	8/02/16	"	4	"		
24	7 th	11/02/16	By Lagrange's reduction	"	"		
25	2 nd	12/02/16	Fourier series, coefficients	III (15)	"		
26	3 rd	12/02/16	F.S. in $[C, C+2\pi]$	4	"		
27	5 th	15/02/16	F.S. - even & odd function	4	"		
28	5 th	22/02/16	Problems	4	"		
29	7 th	25/02/16	Half-range sine and cosine series	4	"		
30	2 nd	26/02/16	Problems	4	"		
31	3 rd	26/02/16	F.S. in any arbitrary interval & even, odd also	4	"		

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32	5 th	29/02/16	Half-range series	III	C.R.		
33	7 th	3/03/16	Fourier integral thm -	"	"		
			Fourier sine & cosine integrals				
34	2 nd	4/03/16	Problems, Fourier trans (Intro)	"	"		
35	3 rd	4/03/16	Sine & cosine F.T.	"	"		
36	5 th	7/03/16	Properties	"	"		
37	7 th	10/03/16	Inverse Fourier transform	"	"		
38	2 nd	11/03/16	Problems	"	"		
39	3 rd	11/03/16	Finite Fourier transform	"	"		
40	5 th	14/03/16	Z-transform (Def) & its properties	IV (II)	"		
41	7 th	17/03/16	Damping rule, shifting rules	"	"		
42	2 nd	18/03/16	Problems	"	"		
43	3 rd	18/03/16	Initial & final value thms	"	"		
44	5 th	21/03/16	Problems	"	"		
45	5 th	28/03/16	Problems, Inverse Z-transform	"	"		

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			Problems				
46	3 rd	30/03/16	To find z^{-1} by partial fractions	IV	C.R.		
47	4 th	31/03/16	Problems	"	"		
48	2 nd	1/04/16	To find z^{-1} by convolution (state & prove convolution thm also)	"	"		
49	3 rd	1/04/16	sol ⁿ of difference eq ⁿ s by z-transform	"	"		
50	5 th	4/04/16	Problems	"	"		
51	2 nd	7/04/16	special functions - Beta function & its properties	V (11)	"		
52	3 rd	7/04/16	Problems	"	"		
53	5 th	11/04/16	Gamma function & its properties	"	"		
54	7 th	14/04/16	Problems	"	"		
55	2 nd	15/04/16	Relation b/w Beta & Gamma functions	"	"		
56	3 rd	15/04/16	Problems	"	"		

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57	5 th	18/04/16	Problems	II	C.R.		
58	7 th	21/04/16	Evaluation of improper integrals	"	C.R.		
59	2 nd	22/04/16	Evaluation of integrals	"	"		
60	3 rd	22/04/16	Problems	"	"		