

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	3/03/14	Matrices- Basic definitions	I (15)	C.R.		
2	4/03/14	To find Rank- finding the order, problems	"	"		
3	5/03/14	Echelon form, problems	"	"		
4	6/03/14	normal form	"	"		
5	7/03/14	normal form with PAQ form	"	"		
6	10/03/14	Problems	"	"		
7	11/03/14	sol ⁿ of linear eq ^s - Rank method (N.H.)	"	"		
8	12/03/14	Gauss elimination & Gauss Jordan methods	"	"		
9	13/03/14	Gauss seidel methods	"	"		
10	14/03/14	Problems	"	"		
11	18/03/14	Problems	"	"		
12	19/03/14	To solve Homogeneous system- by rank method	"	"		
13	20/03/14	Problems	"	"		
14	21/03/14	To find current in an electrical circuit	"	"		
15	24/03/14	Problems	"	"		

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16	25/3/14	To find eigen values & eigen vectors	II (13)	C.R.		
17	26/3/14	problems	"	"		
18	27/03/14	properties of eigen values & eigen vectors	"	"		
19	28/03/14	Remaining properties	"	"		
20	1/04/14	Cayley-Hamilton thm	"	"		
21	2/04/14	problems	"	"		
22	3/04/14	problems	"	"		
23	4/04/14	Q.F. - all definitions (C.F, rank, +ve & -ve definite, semidef., index & sign.) To write matrix A' of Q.F.	"	"		
24	7/4/14	To reduce Q.F. to C.F. by orthogonalization	"	"		
25	8/04/14	problems	"	"		
26	9/04/14	By diagonalization	"	"		
27	10/04/14	By Lagrange's reduction	"	"		
28	11/04/14	problems on free vibration of a 2 mass system	"	"		

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29	24/5/19	Fourier series - Determinate	III (19)	C.R.		
		on f - periodic cell (continuous)				
30	25/5/19	Fourier series in $[0, 2\pi]$	"	"		
31	26/5/19	Fourier series in $[-\pi, \pi]$	"	"		
32	27/5/19	Fourier series - even & odd functions	"	"		
33	28/5/19	Problems	"	"		
34	29/5/19	Half-range Fourier sine, cosine series	"	"		
35	30/5/19	Fourier series in an arbitrary interval (a, b) & $(-1, 1)$	"	"		
36	31/5/19	Fourier series - even, odd functions in an arbitrary interval	"	"		
37	30/5/19	Half-range sine, cosine series in an arbitrary interval	"	"		
38	2/6/19	Problems, Fourier Integral	"	"		
39	3/6/19	Problems, Fourier sine, cosine integrals	"	"		

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40	5/06/14	Fourier transform, problems	III	C.R.		
41	6/06/14	Fourier sine, cosine transforms	"	"		
42	7/06/14	Fourier trans. - Properties	"	"		
43	10/06/14	problems	"	"		
44	11/06/14	Inverse Fourier transforms	"	"		
45	12/06/14	Finite Fourier transform	"	"		
46	13/06/14	problems	"	"		
47	16/06/14	Z-transforms - std properties	IV (1)	"		
48	17/06/14	properties, problems	"	"		
49	19/06/14	Damping, shifting rules & its problems	"	"		
50	20/06/14	Initial, final value thms, problems	"	"		
51	26/06/14	Inverse - Z-transforms, problems	"	"		
52	27/06/14	To find Z^{-1} by using Partial fractions	"	"		
53	30/06/14	Convolution thm, problems	"	"		

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54	1/07/14	Problems	IV	C.R.		
55	2/07/14	Sol ⁿ of Difference eqns by z-transform	"	"		
56	3/07/14	Problems	"	"		
57	4/07/14	Problems	"	"		
58	7/07/14	Beta function & its properties	V (1)	"		
59	8/07/14	Remaining Properties	"	"		
60	9/07/14	Problems	"	"		
61	10/07/14	Gamma function & its properties	"	"		
62	11/07/14	Remaining Properties	"	"		
63	14/07/14	Relation b/w β & Γ	"	"		
64	16/07/14	Problems	"	"		
65	17/07/14	Problems	"	"		
66	18/07/14	Evaluation of improper integrals	"	"		
67	21/07/14	Evaluation of integrals	"	"		
68	22/07/14	Problems	"	"		