LESSON PLAN

~~Period~~ S.No.	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	7/10/14	Sol^n of Algebraic & Trans	I (15)	C.R.		
		cental eq^{n}s - Introduction				
2.	8/10/14	To find root, by Bisection	"	"		
		method				
3	9/10/14	Regula-falsi method, problems	"	"		
4	10/10/14	Newton-Raphson method problems	"	"		
5	13/10/14	Iterative method problems	"	"		
6	14/10/14	Curve fitting - Introdu-	"	"		
		least squares method,				
		Derive the normal eq^{n}s.				
7	15/10/14	To fit the st. line	"	"		
8	16/10/14	To fit the parabola	"	"		
9	17/10/14	To fit the exponential	"	"		
10	20/10/14	To fit the power curve	"	"		
	10	& problems				
11	21/10/14	Interpolation - Introdu	II	"		
		ction - finite diff -				
		forward, backward, central				
12	22/10/14	symbolic relations and	"	"		
		separation of symbols				
13	24/10/14	Differences of a polynomial	"	"		

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14	27/10/14	problems	II	C.R.		
15	28/10/14	Newton's forward, back ward interpolations	"	"		
16	29/10/14	Gauss forward, back ward interpolations	"	"		
17	30/10/14	problems	"	"		
18	31/10/14	Unevenly spaced points: by Lagrange's formula	"	"		
19	3/11/14	Numerical differentiation -Introduction	"	"		
20	5/11/14	To find $\frac{dy}{dx}, \frac{d^2y}{dx^2}, \frac{d^3y}{dx^3}$ by forward differences	"	"		
21	6/11/14	By backward differences	"	"		
22	7/11/14	By central differences	"	"		
23	13/11/14	Numerical Inte. -Introdu Trapezoidal rule Proble -my	"	"		
24	14/11/14	Simpson's $\frac{1}{3}$rd rule, Problemy	"	"		
25	17/11/14	Simpson's $\frac{3}{8}$th rule, Problemy	"	"		
26	18/11/14	Numerical soln of O.D.E -Introdu	III	"		

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27	19/11/14	To solve by Taylor's series	III	C.R.		
28	20/11/14	By picard's method	"	"		
29	21/11/14	Problems	"	"		
30	24/11/14	By Euler's & Euler's Modified method.	"	"		
31	25/11/14	Problems	"	"		
32	26/11/14	R-K methods	"	"		
33	27/11/14	Problems	"	"		
34	28/11/14	Milne's P-C method	"	"		
35	1/12/14	Problems	"	"		
36	2/12/14	Laplace transforms: L.T. of standard functions, Problems	IV	"		
37	3/12/14	Properties: shifting thm, derivatives & integrals of L.T.	"	"		
38	4/12/14	Problems	"	"		
39	5/12/14	Problems	"	"		
40	8/12/14	Unit step function, Dirac's delta function	"	"		
41	9/12/14	problems	"	"		
42	10/12/14	problems	"	"		

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Period S.NO	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
43	11/12/14	Inverse L.T. – std	IV	C.R.		
		formulas, Problems				
44	12/12/14	Properties of Inverse L.T.	"	"		
45	15/12/14	problems	"	"		
46	16/12/14	To find Inverse L.T.,	"	"		
		by convolution thm.				
47	17/12/14	TO find L^{-1} by Partial fractions	"	"		
48	18/12/14	Applications : TO solve	"	"		
		O.D.E. by L.T.				
49	19/12/14	problems	"	"		
50	22/12/14	problems	"	"		
51	23/12/14	P.D.E – Introduction	V	"		
		Formation of P.D.E.				
		by elimination of				
		arbitrary Constants				
52	24/12/14	By elimination of	"	"		
		arbitrary functions				
53	26/12/14	problems	"	"		
54	29/12/14	sol. of 1st order linear	"	"		
		eqn. (ie, lagrange's)				

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55	30/12/14	Problems.	IV	C.R.		
56	31/12/14	To solve non linear P.D.E	"	"		
57	01/01/15	By std type - I & II				
58	2/01/15	Type III & IV	"	"		
59	5/01/15	Problems	"	"		
60	6/01/15	Problems	"	"		
61	7/01/15	Solution of Linear P.D.E	"	"		
		with constant coeffi-				
		Method of separation				
		of variables				
62	8/01/15	problems	"	"		
63	9/01/15	Applications: One	"	"		
		dimensional wave eqn				
64	10/01/15	One dimensional	"	"		
		Heat eqn.				
65	16/01/15	Problems	" 15	"		