LESSON PLAN

S.No.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	7th	28/12/15	Sol^n of Algebraic & Transcedental eqs (Intro)	I (11)	C.R.		
2	1st	29/12/15	To solve $f(x)=0$ by Bisection method	"	"		
3	5th	01/01/16	By Regula-falsi method	"	"		
4	6th	01/01/16	By newton-Raphson method	"	"		
5	7th	4/01/16	Problems	"	"		
6	1st	5/01/16	By Iterative method	"	"		
7	5th	8/01/16	Fitting the curve - (Intro) - least squares - Derive the normal eqs	"	"		
8	6th	8/01/16	Fitting the st-line	"	"		
9	7th	11/01/16	" " Parabola	"	"		
10	1st	12/01/16	" " exponential	"	"		
11	5th	18/01/16	" " Power curve	"	"		
			Problems				
12	1st	19/01/16	Interpolation - finite differences (forward, backward & central differences	II (15)	"		
13	5th	22/01/16	Newton's forward Inter-	"	"		

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			Problems	II	C.R.		
14	6th	22/01/16	Newton's backward, Problems	"	"		
15	7th	25/01/16	Gauss forward & backward	"	"		
16	8th	29/01/16	Problems	"	"		
17	6th	29/01/16	Lagrange's Interpolation - Problems	"	"		
18	7th	01/02/16	Relation b/w all operators	"	"		
19	1st	2/02/16	Problems	"	"		
20	5th	5/02/16	Numerical diff (Intro) Newton's forward & backward	"	"		
21	6th	5/02/16	By Gauss forward & backward	"	"		
22	7th	08/02/16	Problems	"	"		
23	1st	09/02/16	Numerical Integration (Intro) To find $\int_a^b f(x)\,dx$ by Trapezoidal rule	"	"		
24	5th	12/02/16	by Simpson's rule	"	"		

LESSON PLAN

Sub.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
25	6th	12/02/16	By Simpson's $\frac{3}{8}$th rule,	III	C.R.		
26	7th	15/02/16	Problems	"	"		
27	1st	16/02/16	Sol^n of O.D.E of order 1 & degree 1 – (Intro) by Taylor's series	III (10)	"		
28	5th	19/02/16	By Picard's method	"	"		
29	6th	19/02/16	Problems	"	"		
30	7th	22/02/16	Solve O.D.E by Euler's	"	"		
31	1st	23/02/16	" " by Euler's modified method	"	"		
32	5th	26/02/16	Problems	"	"		
33	6th	26/02/16	R-K methods	"	"		
34	7th	29/02/16	problems	"	"		
35	1st	1/03/16	To find $y_4, y_5, \ldots$ by Milne's P-C method	"	"		
36	5th	4/03/16	Problems	"	"		
37	6th	4/03/16	L.T. (Intro) – Def – existence L.T. of std functions – properties	III (13)	"		
38	7th	7/03/16	State & prove shifting, change of scale property	"	"		

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	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
39	5th	11/03/16	L.T. of unit step & impulse functions – Problems	IV	C.R.		
40	6th	11/03/16	problems	"	"		
41	7th	14/03/16	L.T. of derivatives & Integrals – Problems	"	"		
42	1st	15/03/16	Problems	"	"		
43	5th	18/03/16	L.T. of mult & division with 't'.	"	"		
44	6th	18/03/16	Problems	"	"		
45	7th	21/03/16	Inverse L.T. – (Intro) To find L^{-1} by std formulas & Properties	"	"		
46	1st	28/03/16	Remaining Properties, Problems	"	"		
47	7th	28/03/16	To find L^{-1} by convolution (state & Prove convolution also)	"	"		
48	1st	29/03/16	To find L^{-1} by Partial fractions	"	"		

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S. No.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrections Upon Review
49	5th	11/04/16	Problems	II	C.R.		
50	6th	11/04/16	Solve O.D.E. by C.T.	"	"		
51	7th	4/04/16	problems, PDE (Intro)	I (II)	"		
52	1st	5/04/16	P.D.E	I	"		
			Formation of P.D.E by				
			eliminating arbitrary				
			constants				
53	7th	11/04/16	Problems	"	"		
54	1st	12/04/16	By eliminating arbitrary	"	"		
			functions				
55	5th	15/04/16	sol^n of Lagrange's PDE	"	"		
			by grouping method				
			- problems				
56	6th	15/04/16	By multipliers method,	"	"		
			problems				
[illegible]	7th	18/04/16	To solve non-linear	"	"		
			P.D.E by type-I & II				
	1st	19/04/16	By Type III & IV	"	"		
	5th	22/04/16	By reducible forms	"	"		
			- problems, method of separation of variables				

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S.No.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
60	6th	22/04/16	Applications to Heat equation. wave equation-Problems	V	C.R.		
							25/2/02

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