

Period S.No	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	16/02/15	Algebraic & Transcendental eq <sup>n</sup> s-Intro	I (12)	C.R.		
2	18/02/15	To solve $f(x)=0$ by Bisection method	"	"		
3	19/02/15	To solve $f(x)=0$ by Regula-falsi method	"	"		
4	20/02/15	problem	"	"		
5	23/02/15	To solve $f(x)=0$ by newton -Raphson	"	"		
6	24/02/15	To solve $f(x)=0$ by iterative method	"	"		
7	25/02/15	Problems	"	"		
8	26/02/15	Fitting the curve-Intro least squares method. Derive the normal eq <sup>s</sup>	"	"		
9	27/02/15	Fitting the st. line	"	"		
10	28/02/15	Fitting the Parabola	"	"		
11	3/03/15	Fitting the exponential curve	"	"		
12	4/03/15	Fitting the power curve & its problems	"	"		
13	5/03/15	Interpolation - finite	II (15)	"		



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8.30	(Tentative)		No.	Methodology		Upon Review
		differences				
7 <sup>th</sup>	14	23/03/15 Newton forward Inter-problems	"	CR.		
2 <sup>nd</sup>	15	24/03/15 Newton backward "	"	"		
2 <sup>nd</sup>	16	25/03/15 Gauss forward "	"	"		
2 <sup>nd</sup>	17	26/03/15 Gauss backward "	"	"		
4 <sup>th</sup>	18	27/03/15 Lagrange's Interpolation	"	"		
		- problems				
7 <sup>th</sup>	19	30/03/15 Relation b/w all	"	"		
		operators				
2 <sup>nd</sup>	20	31/03/15 problems	"	"		
2 <sup>nd</sup>	21	1/04/15 numerical differentiation (Intro)	"	"		
		Newton's forward - problems				
7 <sup>th</sup>	22	6/04/15 Newton's backward	"	"		
		& Gauss - problems				
2 <sup>nd</sup>	23	7/04/15 Lagrange's - problems	"	"		
2 <sup>nd</sup>	24	8/04/15 numerical integration (Introduction)	"	"		
2 <sup>nd</sup>	25	9/04/15 To find $\int_a^b f(x) dx$ by	"	"		
		Trapezoidal rule				
1 <sup>st</sup>	26	10/04/15 by Simpson's rule	"	"		
2 <sup>nd</sup>	27	13/04/15 by Simpson's $\frac{3}{8}$ rule	"	"		



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2 <sup>nd</sup>	28	14/04/15	2 <sup>nd</sup> of O.D.E. of order 1	III (14)	C.R.	
		3 degree also one-intro				
2 <sup>nd</sup>	29	15/04/15	solve O.D.E. by Taylor's	"	"	
2 <sup>nd</sup>	30	16/04/15	solve O.D.E. by Picard's	"	"	
4 <sup>th</sup>	31	17/04/15	solve O.D.E. by Euler's	"	"	
7 <sup>th</sup>	32	20/04/15	Problems	"	"	
2 <sup>nd</sup>	33	21/04/15	To solve O.D.E. - by	"	"	
		Euler's modified method				
2 <sup>nd</sup>	34	22/04/15	To solve O.D.E. by	"	"	
		R-K methods				
2 <sup>nd</sup>	35	23/04/15	Problems	"	"	
4 <sup>th</sup>	36	24/04/15	Problems	"	"	
7 <sup>th</sup>	37	27/04/15	To find $y, y', y''$ - by	"	"	
		milne's method				
2 <sup>nd</sup>	38	28/04/15	Problems	"	"	
2 <sup>nd</sup>	39	29/04/15	L.T. (Intro), def existence of L.T. - problems	IV (15)	"	
2 <sup>nd</sup>	40	30/04/15	Properties -	IV	"	
4 <sup>th</sup>	41	1/05/15	State & prove shifting	"	"	
		theorems				



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5 <sup>th</sup>						
		unit step function - problems				
2 <sup>nd</sup>	43	19/5/15	L.T. of unit impulse fun	III	C.R.	
2 <sup>nd</sup>	44	20/5/15	L.T. of derivatives	"	"	
		& integrals				
2 <sup>nd</sup>	45	21/5/15	L.T. of multiplied	"	"	
		& divided with t				
4 <sup>th</sup>	46	22/5/15	problems	"	"	
7 <sup>th</sup>	47	23/5/15	problems	"	"	
2 <sup>nd</sup>	48	25/5/15	Improve L.T (Intro)	"	"	
		To find $L^{-1}$ by formula & practice				
2 <sup>nd</sup>	49	27/5/15	Remaining practice - Review	"	"	
2 <sup>nd</sup>	50	28/5/15	To find $L^{-1}$ by convolution	"	"	
		Thm. & proof of convolution				
7 <sup>th</sup>	51	1/6/15	To find $L^{-1}$ by partial fractions	"	"	
2 <sup>nd</sup>	52	2/6/15	To find & solve O.D.E. by Laplace transform	"	"	
2 <sup>nd</sup>	53	3/6/15	problems	"	"	
2 <sup>nd</sup>	54	4/6/15	P.D.E. (Introduction) formation of P.D.E.	V (B)	"	



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		by eliminating arbitrary constant				
4th	55	5/06/15 by elimi. arbit. function	IV	C.R.		
2nd	56	6/06/15 problems	"	"		
7th	57	8/06/15 sol <sup>n</sup> of Lagrange's P.D.E.	"	"		
		by grouping method				
2nd	58	9/06/15 by method of multipliers	"	"		
2nd	59	10/06/15 Problems	"	"		
2nd	60	11/06/15 To solve non-linear P.D.E.	"	"		
		by type-I				
		by type-II				
4th	61	12/06/15 by type-III & type-IV	"	"		
7th	62	15/06/15 by reducible forms	"	"		
2nd	63	16/06/15 problems	"	"		
2nd	64	17/06/15 method of separation of variables - problems wave eq <sup>n</sup> .	"	"		
2nd	65	18/06/15 heat equation problems	"	"		
4th	66	19/06/15 Laplacian eq <sup>n</sup> - problems	"	"		