

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	16/2/18	Introduction on Numerical methods	I	C.R.		
2	17/2	Bisection method	u	u.		
3	18/2	Regula falsi method	u	u.		
3	19/2	Iteration mth	u	u.		
7	20/2	Newton-Raphson mth	u	u.		
1	23/2	Fitting a straight line	u	u.		
2	24/2	Fitting a 2nd degree polynomial	u	u.		
7	25/2	Fit a exponential curve	u	u		
3	26/2	Fit a power curve	u	u.		
7	2/3	$y = ax + b$ problems	u	u.		
1	3/3	Introduction on Interpolation	II	u.		
2	4/3	Relation B/n A, V, b, E	u	u.		
7	5/3	Newton forward formula	u	u.		
3	23/3	Newton Backward formula	u	u.		
7	24/3	Quint's forward formula	u	u		
1	25/3	Gauss Backward formula	u	u.		
2	26/3	Stirling's formula	u	u.		
7	29/3	Lagrange's Interpolation	u	u.		

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1	1/4/15	Numerical differentiation 1st, 2nd order	2	CR.		
2	6/4	Numerical derivative at end points	u	u.		
7	7/4	Trapezoidal rule	u	u		
3	8/4	Simpson's $1/3$ rule	u	u.		
7	9/4	Simpson's $3/8$ rule	u	u.		
1	10/4	Problems on formulae	u	u		
2	13/4	Numerical solution of O.D.E	<u>III</u>	u.		
7	14/4	Taylor's series	u	u.		
3	15/4	Euler's method	u	u.		
7	16/4	Euler's modified mtd	u	u.		
1	17/4	picard's method	u	u.		
2	20/4	R-K Method	u	u.		
7	21/4	Contd problems	u	u.		
3	22/4	Contd problem	u	u.		
7	23/4	Millman p-c method	u	u.		
1	24/4	Contd problems	u	u.		
2	27/4	problems	u	u.		
7	28/4	Introduction of Laplace transform	<u>IV</u>	u		
3	29/4	Properties on L.T	u	u.		
7	30/4	Formulae on L.T	u	u		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	1/5	1st shifting the saw	IV	CR.		
2	14/5	change of scale property	"	"		
7	19/5	L-T of derivatives	"	"		
3	20/5	L-T of Integrals	"	"		
7	21/5	unit step function Dirac delta fun	"	"		
1	22/5	2nd shifting thm	"	"		
2	25/5	Inverse L.T. properties definition	"	"		
7	26/5	shifting change of scale prop	"	"		
3	29/5	L.T. of derivative	"	"		
7	28/5	L.T. of Integrating	"	"		
1	29/5	convolution thm	"	"		
2	1/6	solving O.D.F by L.T	"	"		
7	2/6	Application of L.T	"	"		
3	3/6	Introduction on P.D.F	II	"		
7	4/6	formation of P.D.F by elimination constants	"	"		
1	5/6	formation of P.D.F by elimination constants	"	"		
2	8/6	solution of 1st order P.D.F	"	"		
7	9/6	lagrange method	"	"		
3	10/6	non linear method P.D.F	"	"		
7	11/6	non linear P.D.F thm	"	"		

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1	12/6	non linear P.D.f. forms	<u>V</u>	CR.	
2	15/6	non linear P.D.f. formula.	u	u.	
7	17/6	soln of P.D.f with constant coefficients	u	u.	
3	18/6	method of separation of variables	u	u.	
7	19/6	Application one dimension	u	u.	
1	22/6	Heat conduction one dimension	u	u.	
2	23/6	Revision class	u	u	
7	24/6	Revision class	u	u	
3	25/6	Revision class	u	u	
7	26/6	Revision class	u	u	