

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3rd	3/3	Introduction to Transcendental Equations	I	CL		
3rd	4/3	Bisection method problems	"	CL		
5th	5/3	Problems on Bisection method	"	CL		
2nd	6/3	Regula-falsi method	"	CL		
1st	8/3	Problems on Regula-falsi method	"	CL		
1st	10/3	Plotting method problems	"	CL		
3rd	11/3	Newton-Raphson method	"	CL		
4th	12/3	Problems on / Interpolation / Newton-Raphson method	"	CL		
2nd	13/3	Curve fitting to st. line / problems	"	CL		
2nd	14/3	2nd degree polynomial curve fitting problem	"	CL		
3rd	15/3	Problems on 2nd degree polynomial	"	CL		
5th	16/3	Curve fitting on exponential curve.	"	CL		
2nd	17/3	Curve fitting on power function $y = ax^b$	"	CL		
7th	18/3	Curve fitting on power function $y = ax^b$	"	CL		
3rd	19/3	Interpolation Formulas / backward differences	II	CL		
3rd	20/3	Tables for forward backward interpolation	"	CL		
6th	21/3	Relation b/w $\Delta, \nabla, \delta, \epsilon, \dots$	"	CL		
2nd	22/3	Problems on Interpolation	"	CL		
7th	23/3	Newton Forward Interpolation problem	"	CL		
3rd	1/4	Newton backward Interpolation problem	"	CL		

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6 th	2/4	Gauss cant inf form Interpolation problem	"	CL		
2 nd	3/4	Gauss back wmt Interpolation problem	"	CL		
7 th	4/4	Lagrange Inter polation problem	"	CL		
3 rd	7/4	problems of Inter on Interpolation.	"	CL		
3 rd	9/4	Numerical Diffusion problems.	"	CL		
6 th	10/4	using finite diffu. diffusion.	"	CL		
2 nd	11/4	Numerical Interp Trapezoidal rule	"	CL		
3 rd	14/4	problem on Trapez dal rule	"	CL		
3 rd	20/5	Simpson 1/3 rule problem	"	CL		
6 th	21/5	Simpson 3/8 rule problems.	"	CL		
nd	22/5	Problems and Applt. on 2nd unit.	"	CL		
2 nd	23/5	O.D.E Solution Introduction	III	CL		
3 rd	26/5	Taylor Series / Problem	"	CL		
3 rd	27/5	Problems on Taylor Series.	"	CL		
6 th	28/5	Picard Method Problems.	"	CL		
2 nd	29/5	Euler method problems	"	CL		
7 th	30/5	Modified Euler Method Problems.	"	CL		
3 rd	2/6	Problem set - Home work	"	CL		
3 rd	3/6	R-K method problems	"	CL		
6 th	4/6	R-K method Problems.	"	CL		

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Sl. No.	Date	Topic	Unit No.	Teaching Methodology	Remarks	Learning Activity / Unit Review
2nd 1/6		Problems connected with Problems.		Q		
3rd 2/6		With no related Problems.		Q		
3rd 3/6		Problems of Laplace		Q		
4th 4/6		Introduction to Laplace transform	IV	Q		
2nd 5/6		Standard forms for Laplace transform		Q		
3rd 6/6		Standard forms for Laplace transform		Q		
3rd 7/6		Shifting theorem of Problems.		Q		
3rd 8/6		L.T of $f(t) \cos at$ and $f(t) \sin at$		Q		
3rd 9/6		L.T of $f(t) \cos at$ and $f(t) \sin at$		Q		
3rd 10/6		Unit step function. Dirac delta function		Q		
3rd 11/6		Inverse Laplace Transform		Q		
2nd 12/6		Standard forms for Inverse Laplace transform		Q		
3rd 13/6		Inverse L.T standard forms		Q		
3rd 14/6		P.L.T Problems		Q		
3rd 15/6		Convergence theorem Problems		Q		
3rd 16/6		Problems of Convergence theorem		Q		
2nd 17/6		Applications of Laplace transform		Q		
3rd 18/6		Applications of Laplace transform		Q		
3rd 19/6		Problems of Laplace transform		Q		
3rd 20/6		Introduction to PDE function	V	Q		

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6th	7/2	formation of P.D.E. by elimination of adobe	"	CL		
2nd	10/2	by Elimination of adobe functions.	"	CL		
7th	11/2	Solution of first order (Lagrange's)	"	CL		
3rd	14/2	Solution of P.D.E. Non-linear	"	CL		
3rd	15/2	Type-I / Problems	"	CL		
6th	16/2	Type-II / Problems	"	CL		
2nd	18/2	Type-III / Problems	"	CL		
3rd	21/2	Type-IV / Problems	"	CL		
3rd	22/2	Solution of Linear P.D.E. with const coefficients	"	CL		
6th	23/2	Method of Separation of Variables	"	CL		
2nd	24/2	one dimensional wave Eqn.	"	CL		
7th	25/2	one dimensional heat Eqn.	"	CL		
3rd	28/2	one dimensional wave heat Eqn.	"	CL		
3rd	29/2	Problems / Assignments	"	CL		
6th	30/2	Revision problems.	"	CL		