

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6 th	16/02/15	Introduction of Newton's method	2	CQ		
1 st	17/02/15	Bisection method of problems	"	CQ		
3 rd	18/02/15	Regular falsi method of problems	"	CQ		
5 th	19/02/15	Iteration method of problems.	"	CQ		
3 rd	20/02/15	Newton Raphson method of problems.	"	CQ		
6 th	23/02/15	Problems related to above concepts.	"	CQ		
1 st	24/02/15	Curve fitting by method of least squares.	"	CQ		
3 rd	25/02/15	Form of 1 st degree polynomial problems	"	CQ		
5 th	26/02/15	Form of 2 nd degree polynomial problems	"	CQ		
6 th	02/03/15	Form of $y = ae^{bx}$ curve fitting normal eq. of problem	"	CQ		
1 st	03/03/15	Form of $y = ab^x$, $y = a + b^x$ kind of problems.	"	CQ		
3 rd	04/03/15	Problems related to above concepts.	"	CQ		
5 th	05/03/15	Interpretation of Introduction of finite difference	1	CQ		
3 rd	06/03/15	Forward Interpolation & Backward Interpolation	"	CQ		
6 th	09/03/15	Central & End interpolation Table formation.	"	CQ		
1 st	24/03/15	Symbolic notation.	"	CQ		
3 rd	25/03/15	Difference of a polynomial	"	CQ		
5 th	26/03/15	Newton forward Interpolation problems	"	CQ		
3 rd	27/03/15	Newton Backward Interpolation problems.	"	CQ		
6 th	30/03/15	Central Interpolation of problems	"	CQ		

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1st	31/3/15	Lagrange's Interpolation Problems	"	CL		
3rd	1/4/15	Trapezoidal Rule Problems	"	CL		
5th	6/4/15	Simpson 1/3 rule problems.	"	CL		
7th	7/4/15	Simpson 3/8 rule problems.	"	CL		
3rd	8/4/15	Taylor Series y problem	<u>III</u>	CL		
5th	9/4/15	Picard Method of Successive approximations of Problem	"	CL		
3rd	10/4/15	Euler's method of problem	"	CL		
6th	13/4/15	Euler's method (Modified) of problems.	"	CL		
1st	14/4/15	R-K Method of problem 1st & 2nd kind	"	CL		
3rd	15/4/15	R-K method III & IV order problems	"	CL		
5th	16/4/15	Problems on R-K Method	"	CL		
3rd	19/4/15	Hillier - Predictor/corrector Method problems	"	CL		
6th	20/4/15	Problems related to above concepts	"	CL		
1st	21/4/15	Laplace Def: Derivation of 8th form.	<u>III</u>	CL		
3rd	22/4/15	Derivation of 8th form		CL		
5th	23/4/15	Def of 2nd shifted of problems.		CL		
3rd	24/4/15	Derivation of 2nd shifted of Problem		CL		
6th	27/4/15	L.T. of Integral function of Problems.		CL		
1st	28/4/15	Problems on above concepts.		CL		
3rd	29/4/15	Unit of Derive Delta function		CL		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
5 th	30/4/15	Problems related to Laplace Transform	IV	CL		
3 rd	1/5/15	Problems related to Laplace Transform.	"	CL		
3 rd	18/5/15	Defn & Inverse Laplace Transform	"	CL		
5 th	17/5/15	Derivation Inverse Laplace Transform formulas	"	CL		
3 rd	20/5/15	Derivation Inverse Laplace Transform formulas	"	CL		
5 th	21/5/15	Problems on Inverse Laplace Transform by Partial Fr.	"	CL		
3 rd	22/5/15	Problems on Inverse Laplace Transform.	"	CL		
6 th	25/5/15	Convolution theorem	"	CL		
1 st	26/5/15	Problems related to Convolution theorem.	"	CL		
3 rd	27/5/15	Solution of O.D.E by L. Transform.	"	CL		
5 th	28/5/15	Solution of O.D.E by L. Transform	"	CL		
5 th	29/5/15	Problems related to Inverse Laplace Transform.	"	CL		
6 th	01/6/15	Formulation of P.D.E by elimination of ar. const.	V	CL		
1 st	02/6/15	Formulation of P.D.E by el. of ar. functions.	"	CL		
3 rd	03/6/15	Problem on formation of P.D.E.		CL		
5 th	04/6/15	Solution of first order linear by Laplace method		CL		
3 rd	05/6/15	Sol. of O.D.E by Laplace multiple root		CL		
6 th	08/6/15	Problem by Laplace multiple root.		CL		
1 st	09/6/15	nonlinear P.D.E Type-I & Type-II solutions		CL		
3 rd	10/6/15	nonlinear P.D.E Type-III & Type-IV solutions		CL		

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5 th	11/6/15	Method of separation of variables.	"	CL		
3 rd	12/6/15	one dimensional wave eq. of problems	"	CL		
6 th	15/6/15	problem on one dim wave eqn	"	CL		
1 st	16/6/15	one dimensional Heat eqn	"	CL		
3 rd	17/6/15	Problem on one dim Heat eqn.	"	CL		
5 th	18/6/15	Problem related to P.D.E.	"	CL		
3 rd	19/6/15	Problems related to P.D.E.	"	CL		
6 th	22/6/15	Revision of unit I		CL		
1 st	23/6/15	Lesson of Unit-II		CL		
3 rd	24/6/15	Review of unit - III (Laplace)		CL		
5 th	25/6/15	Review of unit - IV (Laplace Inverse)		CL		
3 rd	26/6/15	Review of unit IV (Inverse Laplace)		CL		
6 th	29/6/15	Review of unit - V (Numerical Diff & Integration)		CL		
1 st	30/6/15	Review of unit - V		CL		
3 rd	1/7/15	Review of unit - V		CL		