

LESSON PLAN

Period	Date (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1 st , 2 nd	6/8/15	Exact diff Equations	I			
1 st , 2 nd	10/8/15	Non-Exact diff Eqn, Method-1				
		Non-Exact diff Eqn's Method-2				
2 nd , 3 rd	12/8/15	Non-Exact diff Eqn's Method-3				
		Non-Exact diff Eqn's Method-4				
1 st , 2 nd	12/8/15	Non-Exact diff Eqn's Method-5 and linear differential equations				
2 nd , 3 rd	20/8/15	Linear differential equations and Bernoulli differential equations				
1 st , 2 nd	24/8/15	Bernoulli diff Eqn's and Newton law of cooling and its problems				
		Newton law of cooling and law of Natural Growth and decay				
2 nd , 3 rd	29/8/15	law of Natural Growth and Natural decay				
1 st , 2 nd	31/8/15	Linear diff Eqn's of 2 nd order	II			
		Problems on Complementary functions on different types.				
2 nd , 3 rd	3/9/15	Problems on Particular integral when $Q(x) = e^{ax}$ and $Q(x) = \sin ax$ (or) $\cos ax$				
1 st , 2 nd	3/9/15					
	9/9/15 to 10/9/15	MID-I Exams				

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1 st , 2 nd	14/9/15	Problems on Polynomials in x and $e^{ax} V(x)$.				
1 st , 2 nd	21/9/15	Problems on $e^{ax} V(x)$ and $V(x)$				
2 nd , 3 rd	29/9/15	Problems on Variation of polynomials and Concept of Partial diff. Eqns	<u>III</u>			
1 st , 2 nd	28/9/15	Problems on Generalized Mean Value Theorems and its Concepts				
2 nd , 3 rd	1/10/15	Problems on Taylor's and Maclaurin's Series in two Variables				
1 st , 2 nd	5/10/15	Problems on function of dependence & Jacobian				
2 nd , 3 rd	8/10/15	Problems on Maxima and Minima of two variables				
1 st , 2 nd	12/10/15	Problems on Maxima to Minima of two variables				
	15/10/15 to 18/10/15	MID-II Exams				
1 st , 2 nd	19/10/15	Problems on Length of the curve in Cartesian & Polar form.	<u>IV</u>			
1 st , 2 nd	26/10/15	Problems on Length of the curve in Cartesian & Polar form.				

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29/31	29/10/15	Problems on Surface area of the region in to Cartesian & Polar form				
1st 21	2/11/15	Problems on Volume of the region in to Cartesian & Polar form				
2nd 31	5/11/15	Problems on double & Triple integrals.				
1st 29	9/11/15	Problems on change of order of integration in to Cartesian & Polar form				
29/31	12/11/15	Gradient, divergence & Curl of scalar & Vector point fn and its properties and its problems.	IV			
1st 29	16/11/15	Problems directional derivative and work done				
29/31	19/11/15	Properties of Vector Identities and its problems.				
1st 29	23/11/15	Concept of Line, Surface and Volume integrals and its problems				
29/31	26/11/15	Problems on Gauss, Green's & Stokes Theorem				
30/11/15 To 2/12/15		MID-III Exams				