LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1.	10/10/14	First Order & First degree D.E - Introduction	I	C.R.		
2.	15/10/14	Exact differential Equations	"	"		
3.	16/10/14	Problems	"	"		
4.	17/10	Non- Exact d.e (4 Methods)	"	"		
5.	18/10	Problems D.E Inspection Method	"	"		
6.	20/10	Linear D.E Problems	"	"		
7.	21/10	Bernolli's D.E Problems	"	"		
8.	22/10	Problems	"	"		
9.	24/10	Orthogonal trajectories in Cartesian form.	"	"		
10	27/10	O.T's in Polar form	"	"		
11	28/10	Problems, Newton's law of Cooling	"	"		
12	29/10	Natural Law for growth & Decay and its Problems,	"	"		
13.	30/10	Linear d.e of 2nd and Higher order.	II	"		
14.	31/10	Problems	"	"		
15	3/11	To find y_p: If $Q = e^{ax}$	"	"		
16	5/11	To find y_p: If $Q = \sin bx$ cos bx cos $\sin(ax+b)$ cos cos$(ax+b)$	"	"		
17	6/11	To find y_p: if $Q = x^k$. $(k>0)$	"	"		
18	7/11	If $Q(x) = e^{ax}V$ to find y_p.	"			

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		When $V = x^n / \sin bx / \cos bx$	II	C·R		
19	12/11	To Solve $f(D)y = x\,V(x)$ When $V(x) = \sin bx / \cos bx$	,,	,,		
		and $f(D)y = x^k\,V(x)$ $V = \sin bx / \cos bx$	,,	,,		
20	13/11	Method of Variation of Parameters.	,,	,,		
21	14/11	L-C-R Circuits	,,	,,		
22	17/11	S.H.M and related Problems.	,,	,,		
24	18/11	Partial D.E —Introduction,	III	,,		
		total derivative, chain rule, generalised Mean Value theorems and its Related Problems.	,,	,,		
25	19/11	Problems on Taylor's and Meclariacal Expanting.	,,	,,		
26	20/11	Problems.	,,	,,		
28	21/11	Jacobian, Function dependence, and Related Problems.	,,	,,		
29	24/11	Maximum and Minimum of Function of two variables Worry rule Problems,	,,	,,		
30	26/11	Lagranges Method of Undetermined Multipliers and Problems.	,,	,,		

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31	28/11	Introduction to Multiple Integrals	IV	C.R		
32	30/11	To find arc length — Problems.	"	"		
33	1/12	To find Volume of — Solids of revolution	"	"		
34	2/12	To find Surface area of the Solid of Revolution in Cartesian & Polar Coordinates.	"	"		
35	3/12	Evaluation of double integrals in Polar Coordinates.	"	"		
36	4/12	Evaluation of double integrals in Cartesian Coordinates & Change of Variables from Cartesian to Polar form.	"	"		
37	8/12	Change of order of Integration.	"	"		
38	9/12	Problems on triple integrals	"	"		
39	15/12	Moments of Inertia Problems.	"	"		
40	16/12	Vector differentiation introduction, Gradient, Curl, Divergence Directional derivative Problems.	V	C.R		
41	17/12	Solenoidal, irrotational Vectors & Problems.	"	"		
42	18/12	Operators Vector Identities	"	"		
43	19/12	Line integrals Wondon by a Force, Problems	"	"		
44	22/12	Surface integrals & Problems	"	"		
45	26/12	Volume integrals & Problems.	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
46	26/12	Gauss divergence theorem & related Problems.	V	C·R		
47	28/12	Green's theorem in a plane & related Problems.	,,	,,		
48	30/12	Stokes theorem & its Problems.	,,	,,		
			,,	,,		
49	08/1/15	Related Problems & Examples.	,,	,,		
50	3/1/15	Rivision on Unit - I	·	C·R		
51	4/1/15	Rivision on Unit - II		,,		
52	5/1/15	Rivision on Unit - III		,,		
53	6/1/15	Rivision on Unit - IV		,,		
54	6/1/15	,,		,,		
55	7/1/15	Rivision on Unit V		,,		
56	8/1/15	,,		,,		
57	8/1/15	Rivision on Unit - V		,,		