

# LESSON PLAN

Sl. No.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	5 <sup>th</sup>	7/08/15	Linear O.D.E of 2 <sup>nd</sup> order-I - Introduction	I (13)	C.W.		
2	6 <sup>th</sup>	7/08/15	solve O.D.E by exact	"	"		
3	1 <sup>st</sup>	11/08/15	solve O.D.E. by MM- exact D.E	"	"		
			To find I.F. by rule 1 & 2				
4	2 <sup>nd</sup>	11/08/15	To find I.F. by rule 3 & 4	"	"		
5	5 <sup>th</sup>	14/08/15	To find I.F. by inspection	"	"		
6	6 <sup>th</sup>	14/08/15	Problems	"	"		
7	1 <sup>st</sup>	18/08/15	To solve O.D.E by linear D.E.	"	"		
8	2 <sup>nd</sup>	18/08/15	To solve O.D.E. by Bernoulli's D.E.	"	"		
9	5 <sup>th</sup>	21/08/15	Problems	"	"		
10	6 <sup>th</sup>	21/08/15	Applications on Newton's law of cooling	"	"		
11	1 <sup>st</sup>	25/08/15	The law of natural growth & decay - Problems	"	"		
12	2 <sup>nd</sup>	25/08/15	O.T. in Cartesian form	"	"		
13	5 <sup>th</sup>	28/08/15	O.T. in polar "	"	"		



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1st		1st 10/10/15	III (11)	C.O.D.		
2nd	10/10/15	1st 10/10/15				
3rd	10/10/15	1st 10/10/15				
4th	10/10/15	1st 10/10/15				
5th	10/10/15	1st 10/10/15				
6th	10/10/15	1st 10/10/15				
7th	10/10/15	1st 10/10/15				
8th	10/10/15	1st 10/10/15				
9th	10/10/15	1st 10/10/15				
10th	10/10/15	1st 10/10/15				
11th	10/10/15	1st 10/10/15				
12th	10/10/15	1st 10/10/15				
13th	10/10/15	1st 10/10/15				
14th	10/10/15	1st 10/10/15				
15th	10/10/15	1st 10/10/15				
16th	10/10/15	1st 10/10/15				
17th	10/10/15	1st 10/10/15				
18th	10/10/15	1st 10/10/15				
19th	10/10/15	1st 10/10/15				
20th	10/10/15	1st 10/10/15				
21st	10/10/15	1st 10/10/15				
22nd	10/10/15	1st 10/10/15				
23rd	10/10/15	1st 10/10/15				
24th	10/10/15	1st 10/10/15				
25th	10/10/15	1st 10/10/15				
26th	10/10/15	1st 10/10/15				
27th	10/10/15	1st 10/10/15				
28th	10/10/15	1st 10/10/15				
29th	10/10/15	1st 10/10/15				
30th	10/10/15	1st 10/10/15				
31st	10/10/15	1st 10/10/15				
32nd	10/10/15	1st 10/10/15				
33rd	10/10/15	1st 10/10/15				
34th	10/10/15	1st 10/10/15				
35th	10/10/15	1st 10/10/15				
36th	10/10/15	1st 10/10/15				
37th	10/10/15	1st 10/10/15				
38th	10/10/15	1st 10/10/15				
39th	10/10/15	1st 10/10/15				
40th	10/10/15	1st 10/10/15				
41st	10/10/15	1st 10/10/15				
42nd	10/10/15	1st 10/10/15				
43rd	10/10/15	1st 10/10/15				
44th	10/10/15	1st 10/10/15				
45th	10/10/15	1st 10/10/15				
46th	10/10/15	1st 10/10/15				



# LESSON PLAN

S.N.	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
25	5 <sup>th</sup>	12/09/15	Partial differentiation (Intro). Total derivative Chain rule C.M.V.T. (only statement)	III (12)	C.W.		
26	6 <sup>th</sup>	18/09/15	Problems Taylor's with Lagrange & Maclaurin	"	"		
27	1 <sup>st</sup>	22/09/15	Taylor's series (for 2 variables)	"	"		
28	2 <sup>nd</sup>	22/09/15	Maclaurin series (")	"	"		
29	5 <sup>th</sup>	25/09/15	Problems	"	"		
30	6 <sup>th</sup>	25/09/15	Jacobian, Problems	"	"		
31	1 <sup>st</sup>	29/09/15	Functional dependence	"	"		
32	2 <sup>nd</sup>	29/09/15	Problems	"	"		
33	5 <sup>th</sup>	3/10/15	To find max & min of functions of two variables with & with out constraints	"	"		
34	6 <sup>th</sup>	3/10/15	Problems	"	"		
35	1 <sup>st</sup>	6/10/15	Problems	"	"		
36	2 <sup>nd</sup>	6/10/15	Problems	"	"		
7	5 <sup>th</sup>	9/10/15	Multiple Integrals: Applications of Inte. to lengths (Cartesian)	IV (13)	C.W.		
8	6 <sup>th</sup>	9/10/15	Appli. of Inte. to volumes	"	"		



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			(Cartesian form)				
39	1st	13/10/15	Appli. on surface area (Cartesian)	III	C.W.		
40	2nd	13/10/15	Appli. of Dts. to lengths & volumes (in polar coordinates)	"	"		
41	5th	16/10/15	To find surface area (in Polar)	"	"		
42	6th	16/10/15	Evaluate double integrals (Cartesian)	"	"		
43	1st	20/10/15	To evaluate double integrals by change of variables (Cartesian)	"	"		
44	2nd	20/10/15	To evaluate double integrals by change of order of integration (Cartesian)	"	"		
45	5th	23/10/15	Triple Integrals - evaluation	"	"		
46	6th	23/10/15	To evaluate double integrals by change of variables & change of order of integration (in polar form)	"	"		



# LESSON PLAN

Sr	Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
47	6th	24/10/15	evaluate triple integrals by change of variables (Cartesian & Polar)	IV	C.W		
48	1st	27/10/15	problems	"	"		
49	2nd	27/10/15	problems, Moment of inertia	"	"		
50	5th	30/10/15	vectors calculus: vector differentiation: Gradient	II (14)	"		
51	6th	30/10/15	Divergent, problems	"	"		
52	1st	3/11/15	problems	"	"		
53	2nd	3/11/15	curl, problems	"	"		
54	5th	6/11/15	Laplacian & 2nd order operators	"	"		
55	6th	6/11/15	vector identities	"	"		
56	1st	10/11/15	vector Integration: line integral, problems	"	"		
57	2nd	10/11/15	work done, potential function, area;	"	"		
58	5th	13/11/15	surface integral	"	"		
59	6th	13/11/15	volume integral	"	"		



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60	1 <sup>st</sup>	17/11/15	Green's thm, problems	IV	C.W.		
61	2 <sup>nd</sup>	17/11/15	Stokes' thm, "	"	"		
62	5 <sup>th</sup>	20/11/15	Gauss - Divergence thm, problems	"	"		
63	6 <sup>th</sup>	20/11/15	problems - Application to work done & P.S.C.	"	"		