

1	7/8/17	linear ODE by Euler's (Intro)	T	C.R.		
2	8/8/17	solve ODE by exact	"	"		
3	10/8/17	By non-exact	"	"		
4	11/8/17	To find I.F. by substituting	"	"		
5	14/9/17	To find I.F. by substituting	"	"		
6	17/8/17	By Inspection method	"	"		
7	18/8/17	solve ODE by linear	"	"		
8	19/8/17	DE (ie, Leibnitz rule)	"	"		
9	21/8/17	Bernoulli's ODE	"	"		
10	22/8/17	Application on	"	"		
11	24/8/17	Newton's law of cooling	"	"		
12	26/8/17	growth & decay	"	"		
13	28/8/17	O.T. in Cartesian form	"	"		
14	29/8/17	O.T. in Polar form	"	"		

Period	(tentative)	Topic	No.	Methodology
15	31/8/17	To solve non-linear	T	C.R.
		general linear D.E.		
		of 2nd & higher order		
16	1/9/17	To find $y_c$ of (E.D.) $y'' = 0$	"	"
17	4/9/17	problems	"	"
18	5/9/17	To find $y_p$ if $Q(x) = e^{ax}$	"	"
19	7/9/17	To find $y_p$ if $Q(x) =$	"	"
		linear & constant of $\sin(x)$ & $\cos(x)$		
20	8/9/17	To find $y_p$ if $Q(x) = x^k$	"	"
21	11/9/17	To find $y_p$ if $Q(x) = e^{ax} \sin(x)$ & $e^{ax} \cos(x)$	"	"
22	12/9/17	problems	"	"
23	14/9/17	To solve (E.D.) $y'' = Q(x)$	"	"
		if $Q(x)$ is any function in $x'$		
24	15/9/17	problems (Asterisk part -2)	"	"
25	16/9/17	problems	"	"
26	18/9/17	To solve (E.D.) $y'' = Q(x)$ by the method of	"	"



Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		Variation of PDEs - method (2nd order)				
27	19/9/17	solve PDE by Cauchy - Euler's eqn	II	C.R.		
28	21/9/17	Problems	"	"		
29	22/9/17	Partial differentiation (Intro)	III	"		
		Total derivative, chain rule, G.M.V.C (only statement)				
30	23/9/17	Problems Taylor's with Lagrange's Remainder & also Maclaurin series (for one variable)	"	"		
31	25/9/17	Taylor's series (for 2 variables), Maclaurin series	"	"		
32	26/9/17	Problems	"	"		
33	29/10/17	Tacotian, Problems	"	"		

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology
		Functional depend- ence		
35	12/10/17	Problems	III	C.R.
36	13/10/17	To find max & min of functions of 2 variables with constraint	"	"
37	16/10/17	Problems	"	"
38	17/10/17	Problems	"	"
39	21/10/17	To find max & min by Lagrange's multi- plier method	"	"
40	23/10/17	Problems	"	"
41	24/10/17	Multiple Integrals: Evaluate double Integrals (in Cartesian)	IV	"
42		Problems	"	"
43		To evaluate double integrals by change of variables	"	"
44		To evaluate double	"	"



					Upon Review
		integrate by change of order of rule.			
		(in Cartesian)			
45	30/10/17	problems	III	C.R.	
46	31/10/17	problems	"	"	
47	31/11/17	To evaluate triple integrals ;	"	"	
		problems			
48	31/11/17	To evaluate double integrals by change of variables (in polar)	"	"	
49	31/11/17	Evaluate triple integrals by change of variables (in polar)	"	"	
50	6/12/17	problems (in Cartesian)	"	"	
51	7/12/17	problems (in polar)	"	"	
52	9/12/17	problems	"	"	
53	10/12/17	vector's calculus ; vector's differentiation	IV (a)	"	

Period	Date (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		- Gradient				
54	13/12/17	Divergent, problems	V	C.R.		
55	15/12/17	curl - problems	"	"		
56	17/12/17	Laplacian & 2nd order operators	"	"		
57	18/12/17	vector's identification	"	"		
58	20/12/17	vector's integration	"	"		
59	21/12/17	scalar, potential function, area	"	"		
60	23/12/17	surface integral	"	"		
61	24/12/17	volume integral	"	"		
62	25/12/17	Gauss's theorem - problems	"	"		
63	27/12/17	Stokes's theorem - problems	"	"		
64	28/12/17	Gauss - Divergence theorem, problems	"	"		
65	30/12/17	problems	"	"		
		Related problems				
		on work done, flux				
66	1/12/17	problems	"	"		