

LESSON PLAN

Name of the Institute:	C. V. Raman Polytechnic
Department:	Mathematics
Semester/Division/Branch:	1 st
Subject Name with code:	ENGINEERING MATHEMATICS-1
Total No. of Class (Required):	75
Faculty Name:	ITISHREE NAYAK

Class No.	<i>Brief description of the Topic/Chapter to be taught</i>	Remarks
1	Defination of matrices,types of matrices	
2	Algebra of matrices	
3	Determinant	
4	Inverse of a marrix	
5	Problem solve	
6	Solution of equation by matrix inverse method	
7	Problem solve	
8		
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10		
11	Properties of determinants	
12	Problem solve	
13	Problem solve	
14	Problem solve	
15	Cramers rule	
16	Problem solve	
17	Class test	
18	Introduction of of TRIGNOMETRY	
19	Trigonometrical ratios	
20		
21	Compound angles	
22		
23	Multiple and sub multiple angle Inverse circular functions and its properties	
24		
25		
26	Problem solve	
27		
28	Problem solve	
29		
30	Class test	
31	Revision class	
32	Introduction of geometry in two dimension	
33	Distance formulae,Division formulae	
34	Problem solve	

35	Area of a triangle and its problem solution	
36	Slope of a line and its problem solution	
37	Condition of perpendicularity and parallelism ,problem solve	
38		
39	Different forms of straight line (i)One point form (ii)Two point form (III)Intercept form	
40	(iv)slope form	
41	(v)perpendicular form	
42	Equation of line passing through a point (i)Parallel to a line	
43	(ii)Perpendicular to a line	
44	Equation of a line in different forms	
45		
46		
47	Problem solve	
48		
49	Distance of a point from a line,problem solve	
50		
51	Problem solve	
52	Circle and its properties	
53	Equation of circle in different forms	
54		
55	Problem solve	
56		
57	Distance formulae,section formulae	
58	Problem solve	
59		
60	Condition of parallelism and perpendicularity	
61	Equation of plane(i) general form	
62	Angle between two planes	
63		
64	Equation of plane in different forms	
65		
66		
67	Problem solve	
68		
69	Sphere and its properties	
70	Equation of sphere	
71	In different forms	
72		
73	Problem solve	
74		
75	Previous year question discussion	

Signature of the Faculty

Signature of the H.O.D