
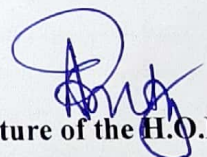


LESSON PLAN

Name of the Institute :		C.V. RAMAN POLYTECHNIC, BHUBANESWAR
Department :		CIVIL ENGINEERING
Semester/Division/Branch :		6 TH / CIVIL
Subject Name with code :		LAND SURVEY-II (TH 1)
Total No. of Class (Required) :		75
Faculty Name :		SUMITRA PARIDA
Class No.	Brief Description of the Topic/Chapter to be taught	Remarks
1	INTRODUCTION TO TACHEOMETRY	
2	.....DO.....	
3	Principles, stadia constants determination	
4	.....DO.....	
5	Stadia tacheometry with staff held vertical and with line of collimation horizontal	
6	.....DO.....	
7	.....DO.....	
8	Elevations and distances of staff stations – numerical problems	
9	.....DO.....	
10	CURVES	
11	.....DO.....	
12	compound, reverse and transition curve	
13	.....DO.....	
14	Purpose & use of different types of curves in field	
15	.....DO.....	
16	.....DO.....	
17	Setting out of circular curve by chain and tape	
18	.....DO.....	
19	.....DO.....	
20	BASICS ON SCALE AND BASICS OF MAP	
21	.....DO.....	
22	ANGULAR MEASUREMENT AND COMPAS SURVEYING	
23	.....DO.....	
24	.....DO.....	
25	.....DO.....	
26	.....DO.....	
27	Classification of Maps	
28	.....DO.....	
29	.....DO.....	
30	.....DO.....	
31	SURVEY OF INDIA MAP SERIES	
32	Open Series map	
33	.....DO.....	
34	Defense Series Map	
35	.....DO.....	

36	.....DO.....	
37	Map Nomenclature	
38	.....DO.....	
39	.....DO.....	
40	.....DO.....	
41	BASICS OF AERIAL PHOTOGRAPHY, PHOTOGRAMMETRY, DEM AND ORTHO IMAGE GENERATION:	
42	.....DO.....	
43	Aerial Photography	
44	.....DO.....	
45	Photogrammetry	
46	.....DO.....	
47	Photogrammetry Process	
48	.....DO.....	
49	.....DO.....	
50	.....DO.....	
51	MODERN SURVEYING METHODS	
52	.....DO.....	
53	Principles, features and use	
54	.....DO.....	
55	.....DO.....	
56	Working principles of a Total Station	
57	.....DO.....	
58	.....DO.....	
59	.....DO.....	
60	.....DO.....	
61	BASICS ON GPS & DGPS AND ETS	
62	GPS: - Global Positioning	
63	.....DO.....	
64	.....DO.....	
65	DGPS: - Differential Global Positioning System	
66	.....DO.....	
67	.....DO.....	
68	ETS: - Electronic Total Station	
69	.....DO.....	
70	BASICS OF GIS AND MAP PREPARATION USING GIS	
71	.....DO.....	
72	Components of GIS	
73	.....DO.....	
74	.....DO.....	
75	Finalize the map	


Signature of the Faculty


Signature of the H.O.D