

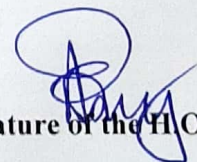
LESSON PLAN

Name of the Institute :		C.V. RAMAN POLYTECHNIC, BHUBANESWAR
Department :		CIVIL ENGINEERING
Semester/Division/Branch :		4 TH / CIVIL
Subject Name with code :		SURVEY-I (TH 3)
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 SURVEYING, LINEAR MEASUREMENTS	
2	Surveying: Definition, Aims and objectives	
3	Principles of survey	
4	accuracy of measurements, instruments used for measurement of distance	
5	Types of tapes and chains	
6	.....DO.....	
7	.....DO.....	
8	.....DO.....	
9	CHAINING AND CHAIN SURVEYING	
10	.....DO.....	
11	.....DO.....	
12	Methods of chaining	
13	.....DO.....	
14	Purpose of chain surveying, Its Principles	
15	.....DO.....	
16	Offsets – Necessity, Perpendicular and Oblique offsets	
17	.....DO.....	
18	.....DO.....	
19	Errors in chain surveying	
20	.....DO.....	
21	.....DO.....	
22	ANGULAR MEASUREMENT AND COMPAS SURVEYING	
23	Measurement of angles with chain, tape & compass	
24	.....DO.....	
25	Compass – Types, features, parts, merits & demerits	
26	.....DO.....	
27	.....DO.....	
28	Principles of traversing	
29	.....DO.....	
30	.....DO.....	
31	.....DO.....	
32	MAP READING CADASTRAL MAPS & NOMENCLATURE	
33	.....DO.....	
34	.....DO.....	
35	.....DO.....	
36	.....DO.....	

37	PLANE TABLE SURVEYING	
38	.....DO.....	
39	Objectives, principles and use of plane table surveying	
40	Methods of plane table surveying	
41	.....DO.....	
42	.....DO.....	
43	.....DO.....	
44	.....DO.....	
45	TWO POINT and THREE POINT PROBLEM	
46	.....DO.....	
47	THEODOLITE SURVEYING AND TRAVERSING	
48	.....DO.....	
49	Purpose and definition of theodolite surveying	
50	Transit theodolite	
51	.....DO.....	
52	.....DO.....	
53	.....DO.....	
54	Methods of theodolite traversing	
55	.....DO.....	
56	.....DO.....	
57	Closing error – adjustment of angular errors, adjustment of bearings, numerical problems	
58	.....DO.....	
59	LEVELLING AND CONTOURING	
60	.....DO.....	
61	Definition and Purpose and types of leveling–	
62	.....DO.....	
63	.....DO.....	
64	Definitions, concepts and characteristics of contours	
65	.....DO.....	
66	.....DO.....	
67	.....DO.....	
68	.....DO.....	
69	Map Interpretation: Interpret Human and Economic Activities	
70	.....DO.....	
71	.....DO.....	
72	COMPUTATION OF AREA & VOLUME	
73	.....DO.....	
74	.....DO.....	
75	.....DO.....	



Signature of the Faculty



Signature of the H.O.D