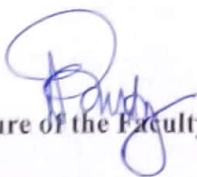


LESSON PLAN

Name of the Institute:		C.V. Raman Polytechnic, BHUBANESWAR
Department:		CIVIL ENGINEERING
Semester/Division/Branch:		3RD SEM./CIVIL
Subject Name with code:		BMCT (TH.3)
Total No. of Class (Required):		75
Faculty Name:		AMBIKA PRASADMOHANTY
Class No.	Brief Description of the Topic/Chapter to be taught	Remarks
1	Stone- classification of rock.	
2	Uses of stone , Natural bed of stone.	
3	Qualities of good building stone.	
4	Dressing of stone.	
5	Characteristics of different types of stones- uses.	
6	Characteristics of different types of stones- uses.	
7	Brick earth- its composition and selection.	
8	Brick making- upto burning in kilns.	
9	.....DO.....	
10	Classification of bricks.	
11	Size of traditional and modular bricks & qualities of good building bricks	
12	Cement & its types	
13	.....DO.....	
14	.....DO.....	
15	Perpoties of cement	
16	Manufacturing of cement	
17	.....DO.....	
18	Importance and application of Blended cement with fly-ash & blast furnace slags.	
19	.....DO.....	
20	Mortars, definations & types	
21	.....DO.....	
22	Sources & classification of sand	
23	Bulking of sand	
24	.....DO.....	

25	Use of gravel, morum and fly-ash	
26	.....DO.....	
27	concrete-defination, composition, water cement-ratio	
28	workability, mechanical perpoties & grading of aggregates	
29	.....DO.....	
30	mixing, placing, compacting & curing of concrete	
31	Timber, classification & structure	
32	.....DO.....	
33	seasoning of Timber & importances	
34	characteristics of good Timber	
35	clay products & refractory materials-defination & classification	
36	perpoties & uses of Refactorial materials	
37	.....DO.....	
38	iron-steel, uses of cast-iron, wrought iron etc.	
39	.....DO.....	
40	surface proctetive materials: composition of paints, enamels, varnishes	
41	.....DO.....	
42	.....DO.....	
43	.....DO.....	
44	types & uses of surface proctetive materials like-paints, enamels, varnishes, distemper & emulsion	
45	.....DO.....	
46	.....DO.....	
47	.....DO.....	
48	types & uses of french policy & wax policy	
49	PART-B: CONSTRUCTION TECHNOLOGY- INTRODUCTION	
50	FOUNDATION: concept of foundation & its purpose	
51	Types of Foundation	
52	Constructional detail of different shallow foundation	
53	Deep foundation	
54	Walls & masonry work: purpose & classification of wall	
55	.....DO.....	
56	Partitions walls & bonds in brick masonay	
57	.....DO.....	
58	Stone masonry & terminology relating to stone	

	masonry	
59	.....DO.....	
60	Doors, windows & lintel: glossary of terms used	
61	Different types of doors	
62	Different types of windows	
63	Purpose & use of Arches & lintel	
64	Floors, roofs & stairs: floor terminology & types of floor finish	
65	Roofs, terminology & types	
66	Stairs, glossary of terms	
67	Types of stair case	
68	Plastering purpose & types	
69	Mortars, proportion of mortar for different types of plaster & pointing	
70	Painting, whitewashing, colour washing & distemping	
71	Damp & termite proffing	
72	Green building & its concept	
73	Energy management & energy audit of building	
74	Types of energy audit, response energy audit questionnaire	
75	Energy surveying & energy Audit	


 Signature of the Faculty


 Signature of the H.O.D