

# LESSON PLAN

<b>Name of the Institute:</b>		C.V. Raman Polytechnic,BHUBANESWAR
<b>Department:</b>		CIVIL ENGINEERING
<b>Semester/Division/Branch:</b>		3RD SEM./CIVIL
<b>Subject Name with code:</b>		BMCT (TH.3)
<b>Total No. of Class (Required):</b>		75
<b>Faculty Name:</b>		AMBIKA PRASAD MOHANTY
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-definition, composition, water cement-ratio	
28	workability, mechanical properties & 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-definition & classification	
36	properties & uses of Refractory materials	
37	.....DO.....	
38	iron-steel, uses of cast-iron, wrought iron etc.	
39	.....DO.....	
40	surface protective materials: composition of paints, enamels, varnishes	
41	.....DO.....	
42	.....DO.....	
43	.....DO.....	
44	types & uses of surface protective materials like-paints, enamels, varnishes, distemper & emulsion	
45	.....DO.....	
46	.....DO.....	
47	.....DO.....	
48	types & uses of french polish & wax polish	
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 masonry	
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 the 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, propotion of mortar for different types of plaster & pointing	
70	Painting, whitewashing, colour washing & distempering	
71	Damp & termite proffing	
72	Green building & its concept	
73	Energy management & energy audit of building	
74	Types of energy audit, reponse energy audit questionnaire	
75	Energy surveying & energy Audit	

  
Signature of the Faculty

  
Signature of the H.O.D