

BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSON PLAN/SEMESTER FOR 2023-24

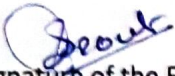
BRANCH-CIVIL ENGINEERING	SEMESTER:3RD
SUBJECT- BUILDING MATERIAL	THEORY-03
NAME OF TEACHER-ER.SHUCHISMITA ROUT	

SL. No.	CH. NO.	Month	DATE	NAME OF THE CHAPTER/OBJECTIVES	NO. OF PERIOD AVAIL. AS PER SYLLABUS	NO. OF PERIODS AVAILABLE AS PER PLAN
1	CH-1	AUG(10)	9/8/23	Stone 1.1 Classification of rock,	05	06
2			10/8/23	uses of stone, natural bed of stone		
3			12/8/23	1.2 Qualities of good building stone, 1.3 Dressing of stone		
4			16/8/23	1.4 Characteristics of different types of stone and their uses		
5			17/8/23	CONTINUE		
6			19/8/23	CONTINUE		
7	CH-2		23/8/23	Bricks 2.1 Brick earth – its composition 2.2 Brick making – Preparation of brick earth	06	04
8			24/8/23	Moulding, Drying, Burning in kilns (continuous Process)		
9			26/8/23	2.3 Classification of bricks, size of traditional and modular bricks		
10			31/8/23	qualities of good building bricks		
11	CH-3	SEPT(11)	2/9/23	Cement, Mortar and Concrete 3.1 Cement: Types of cements, Properties of cements, Manufacturing of cement	07	07
12			7/9/23	3.2 Importance and application of blended cement with fly ash and blast furnace slag		
13			9/9/23	3.3 Mortar: Definition and types of mortar 3.4 Sources and classification of sand, Bulking of sand		
14			13/9/23	3.5 Use of gravel, morrum and fly ash as different building material		

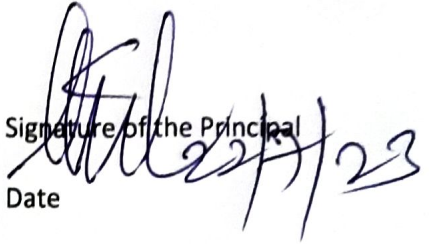
15			14/9/23	3.6 Concrete: Definition and composition- Water cement ratio- Workability		
16			16/9/23	, , mechanical properties and grading of aggregates mixing, placing, compacting & CURING OF CONCRETE		
17			21/9/23	CONTINUE		
18	Ch-4		23/9/23	Other Construction Materials 4.1 Timber: Classification timber.. Structure of timber	07	08
19			27/9/23	4.2 Seasoning of timber – Importance 4.3 Characteristics of good Timber		
20			28/9/23	4.3 Clay products and refractory materials –		
21			30/9/23	Definition and Classification		
22		OCT(6)	4/10/23	.4.4 Properties and uses of refractory materials- tiles terracotta, porcelain glazing		
23			5/10/23	4.5 Iron and Steel: Uses of cast iron, wrought iron		
24			7/10/23	CONTINUE		
25	CH-5		11/10/23	CONTINUE		
26			12/10/23	Surface Protective Materials 5.1 Composition of Paints, enamels, varnishes.	05	09
27			14/10/23	5.2 Types and uses of surface protective materials like Paints		
28		NOV(7)	1/11/23	, Enamels, Varnishes,		
29			2/11/23	CONTINUE		
30			4/11/23	Distempers, Emulsion,		
31			8/11/23	French polish and Wax Polish		
32			9/11/23	CONTINUE		
33			15/11/23	CONTINUE		
34			16/11/23	CONTINUE		

Brief Summary of the Plan

SL NO	MONTH	UNITS/CHAPTER TO BE COVERED	% OF COVERAGE
1	AUG	Ch-1,CH-2,	15%
2	SEPT	CH-3,CH-4,	15%
3	OCT	CH-4,ch-5,	10%
4	NOV	CH-5	10%


Signature of the Faculty

Date 22.07.23


Signature of the Principal
Date