

BALASORE SCHOOL OF ENGINEERING, BALASORELESSON PLAN FOR 3RD SEMESTER SEMESTER

SESSION -2023

BRANCH-CIVIL ENGINEERING					SEMESTER:3 RD	
SUBJECT- construction technology					THEORY-03	
NAME OF TEACHER_ TANMAYEE BEHERA						
SL. No.	CH. NO.	MONTH	DATE	TOPICS TO BE COVERED	NO. OF PERIOD AVAILABLE AS PER SYLLABOUS	NO. OF PERIODS AVAILABLE AS PER PLAN
01	01	AUG(8)	8/8/23	<i>PART: B (CONSTRUCTIONS TECHNOLOGY)</i> 1.1 Buildings and classification of buildings based on occupancy	02	03
02			11/8/23	1.2 Different components of a building..		
03			21/8/23	1.3 Site investigation – objectives, site reconnaissance and explorations		
04	02	AUG(8)	22/8/23	Foundations 2.1 Concept of foundation and its purpose 2.2 Types of foundations – shallow and deep	04	03
05			25/8/23	2.3 shallow foundation _constructional details of :speadfoundation for walls, thumb rules for depth and width of foundation and thickness of concrete block		
06			28/8/23	2.4 Deep foundations: Pile foundations-their suitability, classification of piles based on materials, function and method of installation		
07	03		29/8/23	Walls & Masonry Works : 3.1 Purpose of walls 3.2 Classification of walls – load bearing, non-load bearing walls, retaining walls.		

08			SEPT(10) 1/9/23	3.3 Classification of walls as per materials of construction: brick, stone, reinforced brick, reinforced concrete, precast, hollow and solid concrete block and composite masonry walls (Concept Only)		
09			4/9/23	3.4 Partition Walls : Suitability and uses of brick and wooden partition walls 3.5 Brick masonry : Definition of different terms		
10			5/9/23	3.5 Brick masonry : definition of different term		
11			8/9/23	3.6 Bond – meaning and necessity: English bond for 1 and 1-1/2 Brick thick walls. T, X and right angled corner junctions. Thickness for 1 and 1-1/2 brick square pillars in English bond		
12			11/9/23	3.7 Stone Masonry		
13			12/9/23	3.8 Glossary of terms –String course, corbel, cornice, block-in-course, grouting, mouldings, templates, throating, through stones, parapet, coping, pilaster and buttres		
14	04		15/9/23	Doors, Windows And Lintels 4.1 Glossary of terms used in doors and windows	04	03
15			25/9/23	4.2 Doors – different types of doors 4.3 Windows – different types of windows		
16			26/9/23	4.4 Purpose of use of arches and lintels		
17			29/9/23	Floors, Roofs and Stairs 5.1 Floors: Glossary of terms ,Types of floor finishes – cast-in-situ, concrete flooring(monolithic, bonded), only	05	07
18		OCT(5)	3/10/23	terrazzo tile flooring, cast in situ Terrazzo flooring ,timber flooring (Concept		
19			9/10/23	5.2 Roofs: Glossary of terms, Types of roofs, concept and function of flat, pitched, hipped and Sloped roofs		
20			10/10/23	5.3 Stairs: Glossary of terms; Stair case, winder, landing, stringer, newel, baluster, rise ,tread, width of stair case, hand rail, nosing, head room, mummy room.		

21	CH:3		30/10/23	5.4 Various types of stair case – straight flight, dog legged, open well, quarter turn,		
22			31/10/23	Half turn (newel and geometrical stairs), bifurcated stair, spiral stair, cantilever stair, tread riser stair		
23		NOV(10)	3/11/23	REVISION		
24			6/11/23	Protective, Decorative Finishes, Damp and Termite Proofing 6.1 Plastering – purpose – Types of plastering, Types of plaster finishes – Grit finish,	05	07
25			7/11/23	rough cast, smooth cast, sand faced, pebble dash, acoustic plastering and plain plaster etc.		
26			10/11/23	6.2 Proportion of mortars used for different plasters, preparation of mortars, techniques of plastering and curing		
27			13/11/23	6.3 Pointing – purpose – Types of pointing		
28			14/11/23	6.4 pointing – objectives- method of pointing new and old wall surface, wood surface metal surfaces – powder coating and spray painting on metal surfaces.		
29			15/11/23	6.5 White washing – Colour washing – Distempering – internal and external walls		
30			16/11/23	6.6 Damp and Termite proofing – Materials and Methods		
31			17/11/23	Green building Energy management and Energy building, and project 7.1 concept of green building, 7.2 introduction to energy management & energy audit of building	04	02
32			18/11/23	7.3 Aims of energy management building 7.4 types of energy audit response energy audit question 7.5 energy surveying and audit report		

Brief Summary of the Plan

Sino	Month	Units/Chapter To be Covered	Percentage of Coverage
1	SEPT	CH.1,CH:2.1,2.2,2.3	20
2	OCT	CH.2.4,CH.3,CH.4.1,4.2,4.3	35
3	NOV	CH. 4.4,5,6.1	30
4	DEC	CH.6,CH.7	15

Signature of the Faculty

Prabha
8.8.23.

Signature of the Principal

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8/8/23