

CIVIL DEPARTMENT

SESSION:

SUBJECT NAME : BUILDING CONSTRUCTION

SUBJECT CODE : 2020374(020)

LECTURE NO.	UNIT NO.	SUB TOPIC TO BE COVERED UNDER THIS UNIT	PLANNED DATE	EXECUTION DATE	REMARK
1	1	UNIT 1 Classification of building as per NBC, Components of a building, 1.1 Introduction	2/9/24	12/9/24 12/19/24	
2		Load bearing and framed structure , comparison between Load bearing and framed structure	5/9/24	13/9/24 13/9/24	
3	1	1.2 Foundation foundation, requirement of good foundation. Types of foundation: Shallow and deep foundation	6/9/24 12/9/24	18/9/24 19/9/24	
4		1.3 Stone masonry: classification of stone masonry and rubble masonry	12/9/24 13/9/24	20/9/24	
5		1.4 Dressing of stone and placing of joints	18/9/24	21/9/24	
6		1.5 Brick masonry- classification , bonds and its types	19/9/24	21/9/24 23/9/24	
7		1.6 Construction of walls of precast hollow concrete blocks.	20/9/24 21/9/24	27/9/24 30/9/24	20/9/24
8		UNIT 2 Classification of walls: load bearing, non-load bearing, dwarf wall and partition walls. 2.1 Walls:	23/9/24	3/10/24	

Prudhvi

Prudhvi

Prudhvi

9	2.2 Scaffolding: Purpose of scaffolding Different types of scaffolding Merits and demerits of different types of scaffolding.	27/9/24 30/9/24	24/10/24 7/10/24	
10	2.3. Arches: Meaning and use of arches, Glossary of terms used in arches : Abutment, pier, arch ring, intrados, soffit, extrados,	3/10/24 4/10/24	15/10/24 15/10/24	13/10/24 17
11	2.4 Lintels: Purpose of lintel, Materials used for lintels, Cast-in-situ and pre-cast lintels, Lintel along with sun-shade or chhajja.	7/10/24 15/10/24	16/10/17 17/10/17	
12	2.5 Doors, Windows and Ventilators: Glossary of terms with neat sketches	15/10/24	19/10/17	
13	Classification based on materials i.e. wood, metal and plastic and their Suitability for different situations.	16/10/24	20/10/24	
14	2.6 Door and window frames: Materials and sections, door closures, hold-fasts.	17/10/24	24/10/24	
15	UNIT 3 Glossary of terms- floor finish, topping under layer, base course, rubble filling and their purpose	19/10/24	25/10/24	
16	Types of floor- flag stone, kota stone, marble, granite flooring, glazed and vitrified tiles flooring, concrete floors, timber floor, other miscellaneous floor.	20/10/24	28/10/24	
17		24/10/24	8/11/24	
18	Construction method of different types of floor.	25/10/24	16/11/24	

Pradeep

Pradeep

19	3	3.2 Roofs: Construction of flat roof, shuttering for beam and slab floor.	28/10/24	18/11/24	
20		Steel roof truss. Slopes, overlaps of roofing materials,	28/11/24	18/11/24	
21		Procedure for laying AC and GI sheet.	16/11/24	21/11/24	
22		3.3 Stairs:Glossary of terms: Staircase, landing, riser, tread, nosing, width of staircase, hand-rail	18/11/24	21/11/24	
23		Types of Stairs - straight flight, dog legged, open well,	18/11/24	22/11/24	
24		quarter turn, half turn, geometrical stairs, construction of RCC stair.	21/11/24	22/11/24	
25		3.4 Escalators and Elevators.	21/11/24	25/11/24	
26		UNIT 4	DAMPNESS		
27		Causes of dampness, its ill effects	22/11/24	28/11/24	
28		Methods of Damp proofing ,water proofing materials and their specifications,	22/11/24	28/11/24	
29	Rich concrete and mortar, bitumen, bitumen mastic, polymer coating, use of chemicals.	25/11/24	29/11/24		
30	4	Damp Proof Course treatments in buildings- treatment to foundation against gravitational water, treatment to basements,treatment to floors, treatment to walls, treatment to plastering – objects of plastering, requirements of good plaster, cement mortar mixes for plastering, number of coats of plaster,	28/11/24	30/11/24	

Pruthi

Pruthi

Pruthi

31		method of plastering with cement mortar, types of plaster finishes, special materials used in plastering, defects in plastering.	29/11/24	5/12/24	
32		Painting, Distemping and White-Washing, Painting method of painting on new and old wood work, iron and steel work, plastered surfaces, defects in painting,	29/11/24	6/12/24	
33		Method of distemping, white washing, colour washing.	30/11/24	9/12/24	
34		UNIT 5 Termite Measures Introduction, preconstruction treatment, post construction treatment, chemicals used in anti-termite treatment.	2/12/24	11/12/24	
35		Fire Protection – Firehazard, general fire safety requirements for buildings as per IS1641-1988,	5/12/24	11/12/24	
36	5	Fire resistant construction, fire alarm, fire extinguishing equipments.	6/12/24	11/12/24	
37		Ventilation and Air conditioning- natural ventilation,	9/12/24	12/12/24	
38		mechanical ventilation, air conditioning.	9/12/24		
39		Machinery & Equipment: List of machines and equipments required during building construction and their use	11/12/24	13/12/24	
40		Building maintenance and safety measures: Causes and types of defects in buildings,	11/12/24	13/12/24	

Bovels

Ch. L. H.

Handwritten signature