

PNS School of engineering and technology
Branch : Civil Engineering
SEMESTAR;3RD
Name of the faculty : SUDEEPTA MISHRA
SUJECT NAME: BUILDING MATERIAL{TH-3}

WEEK	Date	Topic theory
SPETEMBER 2 ND	15.09.22	STONES; classification of rock uses of stones
	16.09.22	Natural bed of stone,tests for stones
3rd	19.9.22	qualities of good building stones dresssing of stones finish boasted or droved finish,chisel draughter margins
	20.09.22	characteristic of different type of stones
	21.09.22	uses of stones
	22.09.22	BRICK -its composition
	23.09.22	Brick making manufacturing of brick
	24.09.22	Preparation of brick earth,moulding,drying,burning, in killns
4th	26.09.22	brick making preparation [CONTINEUING]
	27.09.22	classification of brick,traditional and modular brick
	28.09.22	qualities of good building brick
	29.09.22	CEMENT- types of cement cement test
OCTOBER 2ND	11.10.22	manufacturing of cement
	12.10.22	importance and application of bledded cement with fly ash .
	13.10.22	MORTAR-defination,type of mortar
	14.10.22	complete and source and classification of sand start
	15.10.22	sources and classification sand bulking of sand
3RD	18.10.22	uses of gravel ,morrum and fly ash.as different bulding material.
	19.10.22	CONCRETE-In trodution defination and composton.
	20.10.22	watercement ratio,workability .
	21.10.22	AGGREGATE- mecanical properties aggregate ,test
	22.10.22	grading of aggregreads mixing,placing,compacting and curing of concrete.
4th	26.10.22	TIMBER- classification and structure of timber.
	27.10.22	seasoning of timber and importance
	28.10.22	characteristic of good timber
	29.10.22	clay product and refractory materials definationand classification.
	31.10.22	pperties and uses of refractory materials .
NOVEMBER		
	1.11.22	iron and steel uses of cast iron ,wrought iron mild steel and steel.

1ST	2.11.22	PAINT-composition of paint, enamels, varnishes
	3.11.22	type and uses of surface protective material like paint, enamels, varnishes.
	BUILDING CONSTRUCTION{PART.B}	
	4.11.22	Building and classification of building
	5.11.22	Different components of building and site investigation objectives, site reconnaissance and exploration.
2ND	09.11.22	Concept of foundation and its purpose.
	10.11.22	type of foundation- shallow and deep
	11.11.12	shallow foundation construction details of spread foundation for wall, thumb rules for depth and width of foundation and thickness of concrete.
	12.11.22	Deep foundation.
3rd	14.11.22	PILE foundation ,their suitability
	15.11.22	classification of piles based on materials, function and method of installation.
	17.11.22	purpose of walls
	18.11.22	classification of walls-load bearing ,nonloadbearing.
	19.11.22	classification as well as per material of construction.
4TH	21.11.22	PARTITIONS wall suitability
	22.11.22	brick masonry ,definition of different terms.
	23.11.22	BOND-meaning and necessity english bond for wall 1-1\2 brick square pillars in english bond.
	24.11.22	ENGLISH BOND
	25.11.22	stone masonry-glossary of term string course ,corbel, cornice.
	26.11.22	grouting, moulding, templates, throating, throughstones, parapets ,coping, plaster and plaster .
5TH	28.11.22	Glossary of terms of used in door and windows.
	29.11.22	Door-different types of door ,windows-different type of windows.
	30.11.22	purpose of use of arches and lintels.
DECEMBER		
1ST	01.12.22	Floor, types of finishes, cast in situ, concrete flooring , terrazzo, tile flooring, cast in situ, timber flooring.
	02.12.22	ROOF-type of roof ,concept and function of flat, continuing.
	03.12.22	continuing roof.
2ND	5.12.22	STAIR-staircase, winder, landing, stringer, newel, baluster ,rise, tread width of the stair case ,hand rail.
	6.12.22	various types of stair cases.
	7.12.22	PLASTERING-purpose ,types of plastering.
	8.12.22	type of plastering finishes, grit finish, rough cast, smooth cast, sand faced, pebble dash, plain plaster.

	9.12.22	properties of mortars used for different plasters preparation of mortar, techniques.
	10.12.22	pointing- purpose-types of pointing.
3RD	12.12.22	painting -objectives-method of painting new and old wall surface.
	13.12.22	wood surface and metal surfaces powder coating and spray painting on metal surfaces.
	14.12.22	white washing colour washing, distempering-internal and external walls.
	15.12.22	Damp and termite proofing -materials and methods.
	16.12.22	concept of green building.
	17.12.22	introduction to energy management and energy audit of building.
4TH	19.12.22	Aim of the energy management of buildings.
	20.12.22	Types of energy response energy audit questionnaires.
	21.12.22	Energy surveying and audit report.

Sudeeptha Mishra

SIGNATURE OF LECTURER

Sudeeptha Mishra

SIGNATURE OF HOD