

Discipline
Semester
Subject
Lecture per week

Week	Theory
	Lecture Day
	Unit -1 (Water St
1st	1st
	2nd
	3rd
	4th
2nd	5th
	6th
	7th
	8th
3rd	9th
	10th
	11th
	12th
	Unit 2
4th	13th
	14th
	15th
	16th
5th	17th
	18th
	19th

	20th
6th	21st
	22nd
	23rd
	24th
7th	25th
	26th
	27th
	28th
	Unit 3 (Sound Insulation)
8th	29th
	30th
	31st
	32nd
9th	33rd
	34th
	35th
	36th
	Unit 4 (Light & Heat)
10th	37th
	38th
	39th
	40th
11th	41st
	42nd
	43rd
	44th
12th	45th
	46th
	Unit 5 (HVAC)

12th	47th
	48th
13th	49th
	Unit -6 (Vertical
	50th
	51st
	Unit -7 (Fire Fig
	52nd
14th	53rd
	Unit -8
	54th
	55th
	56th
15th	57th
	58th
	59th
	60th
16th	61st
	62nd
	63rd
	64th

Architectural Assistantship

3rd

Building Services

4

Topic (including assignment / test)
Supply)
Water as Natural Resource, Significance of water, Demand of water for various uses in different fields.
Leakage of water, wastage and its preventive measures
System of water supply
Concept of hot water supply for building
Storage of water
Distribution of water
Services Connection, Type of pipes
Water supply fixtures and installation
Water supply fixtures and installation
Types of joints used in supply of water
Assignment given based on previous question paper
Test based on Assignment
Principles of Drainage, Surface Drainage, Shapes and Sizes of Drains and Sewers
Stom Water overflow; method of laying and construction of sewers
House Drainage, Traps :- Shapes, Sizes and Types, Materials and functions of Traps used
Ventilation of house drainage, Different System of house drainage
Inspection Chambers - Sizes and Construction
Functions and Working of Sinks, wash bashins etc. with shapes and sizes
Functions and Working of water closets, flushing cistern etc. with shapes, sizes and types

Septic Tanks, seepage and Soak pits- function, material, construction
Essential Components of Drainage System, Special Devices in drainage system
Simple exercise on layout plan for toilets & kitchen for public and residential buildings
Assignment given based on previous question paper
Test based on Assignment
Sessional Week
Insulation)
Behaviour of Sound propagation
Acoustics in Buildings
Acoustical defects and method of correction
Special requirement in buildings to avoid Acoustical problem
Acoustical materials and their uses
Simple exercises on sound insulation
Assignment given based on previous question paper
Test on given Assignment
Electrical Fittment)
Electrical Distribution, Types of wiring, Types of switches
Various terms used in lighting, Distribution panels
Method of Lighting, Quality of Light and Types of Lamps, Various system of wiring
Thumb Rules for calculations illuminating level, Precaution to avoid electrical accident
Sessional Week
Assignment given based on previous question paper
Test given on assignment

Behaviour of Heat Propagation, Thermal Insulating materials, General Methods of Insulation
Ventilation- Definition, necessity, system
Principles of Air Conditioning System
Transportation system)
Classification of VTS, Theirs Sizes, Types, Safety Norms adopted
Terminologies related to different VTS, Assignment and Test given on previous question papers
hting System)
Causes of Fire, Classification of Fire, Fire Fighting system, Fire Escape elements, Fire Hydrants
Provision in Buildings for fire safety angle as per BIS
Integration of Lighting
Integration of Air Conditioning
Acoustics , Other Services/ System in buildings
Sessional Week
Revision of Whole syllabus based on previous question papers

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