

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Draw electrical layout of a Bed room's residential building having sizes 13'-0" x 15'-0" with using proper Symbolic representation of electrical fittings?
- Q.24 Explain with sketches
- a) Flushing cistern
 - b) Water closet
 - c) Wash Basin
 - d) Urinals
- Q.25 Explain the various types of Air Conditioning systems & what are their Advantages?

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3rd Sem / Architectural Assistantship

Subject : Building Services

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 According to IS: 1172-1963, a minimum of 135 litres of water capita per day, is required for
- a) Boarding schools
 - b) Nurses home and medical quarters
 - c) Hostels
 - d) all the above
- Q.2 What is the capacity of the preferred low level flushing cistern?
- a) 10 litres
 - b) 15 litres
 - c) 20 litres
 - d) 25 litres
- Q.3 The size of the vent pipe commonly used in house drainage is _____

(400)

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- a) 30 mm b) 100 mm
- c) 50 mm d) 75 mm

Q.4 What is the purpose of air conditioning?

- a) To control the humidity in a building
- b) To clean the air in a building
- c) To control the temperature in a building
- d) All of the above

Q.5 The system installed of the building to make comfortable, functional, efficient & safe

- a) AC b) Noise
- c) mechanical services d) building services

Q.6 Where the people are working, there has to be _____ to cause proper ventilation of the premises.

- a) Air changes b) Humidity
- c) Temperature d) Air velocity

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define per capita demand?
- Q.8 Define fire resistance material?
- Q.9 Enlist the types of W.C.

- Q.10 What are the natural resources of water?
- Q.11 Define Fire Hose Cabinet?
- Q.12 Expand ELCBS

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What are the water supply systems in the multistoried building.
- Q.14 Write the short notes on Bib Tap and stop valve with sketches.
- Q.15 What are the Precautions to avoid electrical accidents?
- Q.16 What are types of light sources? Explain
- Q.17 What are essentials of Air Conditioning system?
- Q.18 What are piping system for drainage? Explain with sketches
- Q.19 Explains with sketches
 - i) Lumen
 - ii) Luminous intensity
- Q.20 What are various classification & types of lifts?
- Q.21 What is the principle of drainage?
- Q.22 Explain the causes of fire in the building?