

- Q.19 What factors will keep avoiding electrical accidents?

Q.20 Draw the neat schematic section of Lift shaft showing various components & machine room.

Q.21 Draw any five types of electrical symbols used in electrical layout.

Q.22 Write notes:-

  - i) Distribution box      ii) Fire Exit
  - iii) ELCB                  iv) MCB

## **SECTION-D**

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

- Q.23 What are various types of Services used in Buildings? Explain with their importance.

Q.24 Explain with the neat sketches single stack system and double stack system and their advantages and disadvantages.

Q.25 Enlist the different types of Air conditioning system used in building. Explain principle involved.

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**3rd Sem / Architectural Assistantship**

## **Subject:- Building Services**

Time : 3Hrs.

M.M. : 60

## **SECTION-A**

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

- Q.1 Quality of water is said to be good if it is

  - a) Free from suspended matter
  - b) Colorless
  - c) Free from pathogenic organism
  - d) All of these

Q.2 Antisiphonage pipe is fitted

  - a) At the end of septic tanks
  - b) On manholes
  - c) With a W.C. trap
  - d) At the beginning of sewer line

Q.3 What is the device used to prevent sewer gases from entering the buildings?

- a) Filters
- b) Traps
- c) Ventilators
- d) Vacuum pumps

Q.4 The rate of amount of water vapour present to the amount it would have contained, had it been saturated, is known as the \_\_\_\_\_

- a) Saturated air
- b) Dry Bulb Temperature
- c) Relative humidity
- d) Wet Bulb Temperature

Q.5 HVAC stands for:

- a) Housing, ventilation and Air Conditioning
- b) Heating, ventilation and Accommodation
- c) Heating, ventilation and Air Conditioning
- d) All of above

Q.6 LUX is unit of

- a) Luminous flux
- b) Luminous intensity
- c) Illuminance
- d) Lumen

## SECTION-B

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

Q.7 What is unit of capacity of Air Conditioning measured?

Q.8 Define lift pit.

Q.9 Writes the sizes of Indian water closet.

Q.10 Define Ferrule.

Q.11 Define sluice Valve.

Q.12 Write types of Fire extinguisher.

## SECTION-C

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

Q.13 What is rain water harvesting and what are objectives of the rain water harvesting?

Q.14 Explain the various traps with sketches.

Q.15 What are the aim of good lighting?

Q.16 What are Causes of fire in the buildings?

Q.17 What are components of Air conditioning system and their function?

Q.18 What is Sprinklers system explains with their applications?