

- Q.26 Explain the various causes of fire in a building ? List precautions to be taken .
- Q.27 Explain what do you understand by Surface Drainage.
- Q.28 Draw a neat sketch of Wash basin and Flushing cistern.
- Q.29 What is the main purpose of ventilation system.
- Q.30 Differentiate between surface conduit and concealed conduit wiring system.
- Q.31 Explain rain water harvesting and its uses.
- Q.32 Define acoustical defects and explain any two of them.
- Q.33 Differentiate between Split A/C and Central A/C.
- Q.34 Draw the neat sketches of escalator.
- Q.35 List four characteristics of good traps.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Describe in detail various types of lifts and write their uses.
- Q.37 Explain with neat sketches various types of traps used for house drainage.
- Q.38 Prepare an electrical layout for a kitchen measuring 3.5 mts x 2.7 mts.

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Architecture Asstt. Subject:- Building Services

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The term _____ is used to indicate the science of controlling air with respect to humidity, temperature, movement of air, bacteria content etc.
- a) Circulation b) Air conditioning
c) Condensation d) Conditioning
- Q.2 The type of wiring depends on _____
- a) Location and consumer budget
b) Durability and cost
c) Safety and appearance
d) All of the above
- Q.3 Sound is measured in
- a) Hertz b) Lux
c) Decibels d) Ppm
- Q.4 What is called for the collection of rainwater for use ?
- a) Rain collection b) Rain water harvesting
c) Rain digging d) Rain water pumping
- Q.5 Necessity of ventilation is:

- a) Removal of carbon dioxide
 - b) To supply fresh air
 - c) To reduce humidity
 - d) All of the above
- Q.6 CFL stands for :
- a) Clean Fluorescent Lamp
 - b) Compact Fluorescent Lamp
 - c) Both A and B
 - d) None
- Q.7 It is the SI unit of luminous is called_____.
- a) Luminous Flux b) Luminous intensity
 - c) Illuminance d) Lumen
- Q.8 Lifts, Elevators, Escalators is one type of
- a) Mechanical System
 - b) Electrical System
 - c) Building operation system
 - d) Multiple services
- Q.9 Objectives of building services :
- a) Provide comfortable living to its occupants
 - b) Improve efficiency of the users
 - c) Maintain health of occupants
 - d) All of the above
- Q.10 Wastewater from different sources like bathroom, kitchens and wash basins is called_____.
- a) Sewage b) Garbage
 - c) Sullage d) Discharge

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Vent Pipe
- Q.12 Humidification
- Q.13 Echo
- Q.14 Lumen
- Q.15 Fire Exit
- Q.16 Distribution Box
- Q.17 Sink
- Q.18 Impact sound
- Q.19 Valve
- Q.20 Name any two sound insulating materials

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Enlist precautions to be taken to avoid electrical accidents.
- Q.22 Explain the role of heat detector in fire fighting system.
- Q.23 Differentiate between Natural and Artificial system of lightning.
- Q.24 Draw any five types of electrical symbols.
- Q.25 Explain how you achieve natural and artificial ventilation in a building.