

- Q.21 What do you mean by efflorescence? How it can be prevented?
- Q.22 What is the role of damp proof course in building.

SECTION-D

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

- Q.23 How the defects in building can be identified? Discuss ways to prevent it.
- Q.24 Describe the importance of building maintenance and explain how it can help extend the lifespan of a building.
- Q.25 Explain the role of building inspections in maintaining a safe and healthy indoor environment and describe the different types of inspections that can be conducted.

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220264B

**6th Sem. / Architectural Assistantship, Architectural
(For Speech and Hearing Impaired)
Sub. : Building Maintenance**

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. **(6x1=6)**

- Q.1 What is the primary purpose of a building's drainage system?
a) To supply water to the building
b) To remove waste and rainwater from the building
c) To provide ventilation to the building
d) To support the building's structural integrity
- Q.2 Which of the following is a common maintenance task for building electrical systems?
a) Replacing light bulbs b) Repairing leaky faucets
c) Unclogging drains d) Replacing air filters
- Q.3 What is the purpose of building's electrical grounding system?
a) To provide a safe path to ground for electrical currents
b) To prevent electrical shock
c) To reduce electrical noise
d) To increase electrical efficiency

- Q.4 What is the primary cause of building dampness?
- Poor ventilation
 - Leaky roofs
 - High humidity
 - Poor construction practices

- Q.5 What is the purpose of a building's HVAC system?
- To provide ventilation and air conditioning
 - To provide heating and plumbing
 - To provide electrical power and lighting
 - To provide fire protection and safety

- Q.6 What is the primary cause of building settlement?
- Soil erosion
 - Foundation failure
 - Poor construction practices
 - Soil consolidation

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 What is the recommended frequency for inspecting and replacing building fire extinguishers?
- Q.8 The primary purpose of a building's root drainage system is to collect and store rainwater for irrigation. (True / False)
- Q.9 Regular inspection of building electrical systems prevents electrical shocks. (True / False)

- Q.10 Regular inspection of building roofs _____ water damage.
- Q.11 Building maintenance is not necessary for ensuring the safety and well being of occupants. (True / False)
- Q.12 The primary purpose of a building's HVAC system is to provide heating and cooling. (True / False)

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. $(8 \times 4 = 32)$

- Q.13 What do you understand by diagonal cracks?
- Q.14 Describe the different types of building maintenance schedules. What are the advantages and disadvantages of each type?
- Q.15 Explain the importance of regular inspection and maintenance of building roofs.
- Q.16 Describe the purpose and benefits of implementing a predictive maintenance program for building electrical systems.
- Q.17 Discuss the various types of defects in building.
- Q.18 Describe the purpose and benefits of implementing a predictive maintenance program for building HVAC systems.
- Q.19 Explain the importance of regular inspection and maintenance of building fire alarm systems.
- Q.20 How can we prevent the building from termite.