

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

Roll No. ....

**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. (6x1=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. (8x4=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.