

- Q.31 Explain the following water proofing technique for flat roofs.  
a) Ferrocement                      b) Brick bat coba
- Q.32 Describe symptoms for various defects in concrete elements..
- Q.33 Write short note on strengthening of foundations and foundation soils.
- Q.34 What are the visible signs of the action of dampness in a building and what precautions are necessary to avoid the same.
- Q.35 Describe the possible causes of defects in water taps alongwith their remedial measures.

#### Section-D

- Note:** Long answer Questions. Attempt any two Questions out of three Questions. (2x10=20)
- Q.36 Describe the purpose of surface finishes. What types of common effects occur in exterior surfaces of the building.
- Q.37 Describe the method to repair the damaged part of concrete flooring.
- Q.38 Describe in detail various methods to repair plaster walls.

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Roll No.....

#### Architecture Asstt. Subject : Building Maintenance

Time : 3 Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 Termite in a building is controlled by \_\_\_\_\_.  
a) Disprin                              b) Aldrin  
c) Asprin                                d) None of these
- Q.2 Overhead water storage tank is constructed at \_\_\_\_\_ of the roof.  
a) Above                                b) Below  
c) Side                                    d) None of these
- Q.3 The peeling of Plaster is due to \_\_\_\_\_.  
a) Water                                b) Efflorescence  
c) Cement                              d) None
- Q.4 A \_\_\_\_\_ is a pipe through human excreta flows.  
a) Vent pipe                            b) Soil Pipe  
c) G.I. Pipe                            d) RWP
- Q.5 What is the minimum diameter of pipes used for drainage of rain water  
a) 50mm                                b) 75mm  
c) 100mm                                d) 105mm

- Q.6 \_\_\_\_\_ is used to give colour to the paint  
 a) Pigment                      b) Solvent  
 c) Thinner                      d) Drier
- Q.7 The process of making the back ground rough, before plastering is \_\_\_\_\_  
 a) Rubbing                      b) Peeling  
 c) Blistering                      d) Peeling
- Q.8 The art of removing the moisture from the wood is known as \_\_\_\_\_  
 a) Mixing                      b) Reasoning  
 c) Seasoning                      d) None
- Q.9 What is the shape of the septic tank  
 a) Oval                      b) Rectangular  
 c) Circular                      d) None
- Q.10 Maintenance of building is done to keep the building in \_\_\_\_\_ condition.  
 a) Worst                      b) Bad  
 c) Good                      d) None of these

### Section B

**Note:** Objective types Questions. All Questions are compulsory. (10x1=10)

- Q.11 Efflorescence.  
 Q.12 Spalling.  
 Q.13 Pointing.  
 Q.14 Floor trap.  
 Q.15 Maintenance.

- Q.16 Casing.  
 Q.17 Corrosion of a structure.  
 Q.18 Anti termite treatment.  
 Q.19 Super structure of a building.  
 Q.20 Water Cement ratio.

### Section-C

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

- Q.21 Explain Three types of repair concrete.  
 Q.22 List various causes of dampness.  
 Q.23 Explain common method of crack repair.  
 Q.24 Explain Drainage and what types of pipes are used for drainage system.  
 Q.25 State application of following materials in repairs.  
 a) Anti Corrosion Coatings  
 b) Repair Mortars  
 Q.26 Explain the termite protection treatment for cupboard.  
 Q.27 Describe the role of maintenance in building.  
 Q.28 Write various causes for rising dampness in a building.  
 Q.29 Explain the procedure to repair plaster walls on concrete.  
 Q.30 Describe the inspection procedure for wall.