

4th Semester/ Architectural Assistantship
Subject: Building Materials and Construction-III

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 The term used for the detachment of the paint film from the surface is _____.
- a) Grinning b) Fading
c) Flaking d) Cracking
- Q.2 Which paint defect involves the diffusion of colour from the under coat into the upper coat?
- a) Blooming b) Bleeding
c) Wrinkling d) Sagging
- Q.3 The alloy is a _____.
- a) Pure metal
b) Mixture of metals and non metals
c) Compound of metals
d) A single metallic element

- Q.4 Plasticizers are added for improving the _____ of the plastic.
- a) Electrical properties b) Chemical properties
c) Mechanical properties d) None of these
- Q.5 The lightest of all the plastic is known as
- a) Polythene b) Plastic sheets
c) Fiber glass d) Plastic pipes
- Q.6 Fiber board is made by
- a) Hard board b) Plywood
c) Wood fibers d) Veneers

SECTION-B

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

- Q.7 Non-Ferrous metals
- Q.8 Thermo plastics
- Q.9 Poly carbonate sheets.
- Q.10 Spirit polish.
- Q.11 Water based paints.
- Q.12 Thermocol

SECTION-C

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

- Q.13 Differentiate between plywood and hardwood,

- Q.14 Explain the purpose of using a primer before applying paint on a surface.
- Q.15 Explain how glazing putty is prepared.
- Q.16 Differentiate between ferrous and non ferrous metals.
- Q.17 Enlist any five advantages of plastic.
- Q.18 Differentiate between oil based paint and water based paint.
- Q.19 Explain properties and uses of fiber boards.
- Q.20 Explain the primary function of exterior finishes on a building.
- Q.21 Name any two floor finishes and briefly describe them.
- Q.22 Explain any two defects found in Acrylic Emulsion.

SECTION-D

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

- Q.23 Describe the properties of aluminium and lead when they are used in buildings
- Q.24 Explain what is a paint. What are the main ingredients of an oil paint and function of each.
- Q.25 Define the following:
- a) Form rubber tiles b) Terrazzo tiles
b) Plastic wall tiles