

Section-D

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

- Q.23 Examine the different types of floor finishes available for architectural purposes based on its advantages and disadvantages?
- Q.24 Describe the characteristics and applications of exterior and interior wall finishes?
- Q25 What is the difference between a paint and varnish? Name the ingredients of a varnish.

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4th Sem. / Architecture Assistantship Subject : Building Materials & Construction-III

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which of the following is not a natural plastic?
a) Shellac b) Casein
c) Cellulose d) Polyethylene
- Q.2 What is a characteristic of non-ferrous metals?
a) They contain iron as the primary element
b) They are magnetic
c) They are resistant to corrosion
d) They are heavier than ferrous metals
- Q.3 Which material is commonly used as a soundproofing agent in interior wall finishes?
a) Cork sheets b) Plastic wall tiles
c) Thermocol d) Foam rubber tiles
- Q.4 Which metal is commonly used for electrical wiring due to its high conductivity?
a) Copper b) Aluminum
c) Zinc d) Lead

- Q.5 What is the primary purpose of using a thinner in paint formulations?
 a) To increase opacity b) To reduce viscosity
 c) To enhance adhesion d) To accelerate drying time
- Q.6 Which floor finish is known for its durability in industrial settings?
 a) Heavy duty flooring b) Wooden parquet
 c) Linoleum tiles d) PVC flooring

Section-B

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

- Q.7 PVC is an abbreviation for _____ commonly used in various building application (Polyvinyl Chloride / Polyvinyl Carbonate)
- Q.8 Terrazzo tiles are composed of a mixture of _____ and aggregate materials. (Cement/Rubber)
- Q.9 Cork sheet are popular for their _____ properties, making them suitable for soundproofing. (Aesthetic / insulation)
- Q.10 Laminated fiber boards are often used for _____ partitions and panels. (Interior/Exterior)
- Q.11 Aluminum is a non-ferrous metal often chosen for its light weight nature and resistance to corrosion in architectural applications. (True/False)
- Q.12 Varnishes provide a decorative finish but do not offer any protective benefits to wood surfaces. (True/False)

Section-C

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

- Q.13 Explain the difference between thermoplastics and thermosetting plastics with examples?
- Q.14 Differentiate between ferrous and non-ferrous metals and its uses as building material?
- Q.15 Provide examples of exterior wall finishes and discuss their application methods?
- Q.16 What is distemper? How it is prepared? Give uses of distempers.
- Q.17 Write short notes on :
 a) Terrazzo Tiles b) Cement Concrete Tiles
- Q.18 Write short notes on :
 a) Lacquers b) Enamel paints
- Q.19 Explain the term "Cork Sheets" and provide an example of its application as building materials?
- Q.20 What is polymer concrete, and what are its advantages over traditional concrete?
- Q.21 What is the primary purpose of applying varnishes on wooden surfaces?
- Q.22 Write the characteristics and applications of Aluminum as building materials?