

SECTION-D

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

- Q.23 What is fibre board and state their types and advantages? State its applications method in the ceiling in buildings.
- Q.24 Draw line diagram of steel roofs for various spans with along with constructional detail.
- Q.25 Draw a layout plan for residential toilet showing the Placement & fixing detail of each fixture with proper dimensions? Assume the size of toilet.

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5th Sem / Architectural Assistantship

Subject : Building Materials & Construction IV

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Plywood is specified by
- a) Weight
 - b) Volume
 - c) Thickness
 - d) Number of layers
- Q.2 Gypsum is a
- a) Mechanically formed sedimentary rock
 - b) Igneous rock
 - c) Chemically precipitated sedimentary rock
 - d) Metamorphic rock
- Q.3 Veneering means
- a) Carving out designs on timber planks
 - b) Chemically treating timber planks
 - c) Thick layer of superior wood glued to inferior wood
 - d) Thin layer of superior wood glued to inferior wood

- Q.4 Asbestos is
- a) Corrugated sheet used for roofing
 - b) An incombustible fire proof material
 - c) An organic substance
 - d) All the above
- Q.5 The main constituent of fly-ash is
- a) Aluminium oxide b) Silica
 - c) ferrous oxide d) All the above
- Q.6 Thin pieces of split or sawn wood are called:
- a) Thatch b) Ribbon
 - c) Shingles d) LATHS

SECTION-B

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

- Q.7 Define Hessian cloth.
- Q.8 Define Fly ash.
- Q.9 Define Slates.
- Q.10 What is MDF.

- Q.11 What is Cellotex?
- Q.12 Write sizes of Sink.

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$
- Q.13 Write four suspended ceiling material and also their manufacturing brands & available sizes?
 - Q.14 Define gypsum plaster board and their uses in the building.
 - Q.15 Define water repellants and water proofing agent.
 - Q.16 What is pan tile and name two brands & sizes available in the market.
 - Q.17 What are the advantages steel roofs over RCC roof.
 - Q.18 What are the uses of fly ash and its applications in the building.
 - Q.19 Explains with neat sketches of water closet & wash basin.
 - Q.20 Differentiate between Additives and Admixtures.
 - Q.21 What are air entraining agents and workability increasing agents.
 - Q.22 Define E-board and also explain their uses.