

- Q.18 Write short note on:
a) Melamine finishes b) Stucco
- Q.19 Explain the concept of carbon fiber and its applications in the architectural field.
- Q.20 Define thermosetting plastics and provide an example of their use in building materials.
- Q.21 What are the common uses of non ferrous metals in building construction?
- Q.22 Explain the application method for textured paint finishes on interior walls.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.23 Discuss the advantages and disadvantages of using plastics in building materials compared to traditional materials like wood or metal?
- Q.24 Describe the characteristics and uses of two different types of floor finishes commonly used in residential buildings, including their laying sizes and popular brand names?
- Q.25 Describe the characteristics and uses of three different types of paints commonly used in interior wall applications?

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4th Sem / 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 Carbon fiber is used in which industry?
a) Construction b) Automotive
c) Space Craft d) All of the above
- Q.2 Which metal is commonly used in roofing due to its lightweight nature?
a) Aluminum b) Copper
c) Lead d) Zinc
- Q.3 What is a characteristic of ferrous metals?
a) They contain iron as the primary element.
b) They are magnetic
c) They are heavier than non ferrous metals
d) All of the above

- Q.4 What is the purpose of a drier in paints and varnishes?
- To add color
 - To enhance adhesion
 - To speed up drying time
 - To increase viscosity
- Q.5 Which type of plastic is typically used for pipes in plumbing systems?
- PVC
 - Polycarbonate
 - Acrylic
 - Melamine
- Q.6 Which type of flooring material is often preferred for its resistance to water and stains, making it suitable for kitchens and bathrooms?
- Linoleum
 - Cement concrete tiles
 - Glazed terracotta tiles
 - Ceramic tiles

SECTION-B

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

- Q.7 Heavy-duty flooring options are preferred in _____ buildings due to their ability to withstand high loads. (Commercial/Industrial)

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- Q.8 Varnishes provide a _____ layer on wood surfaces. (Protective/Removable)
- Q.9 Marble, Kota stone, slate, and granite are commonly used for _____ finishes. (Floor/Wall)
- Q.10 Acrylic emulsions are known for their _____ and fast drying properties. (Durability/Insulation)
- Q.11 Heavy-duty flooring options are typically preferred in residential buildings due to their ability to withstand high loads. (True/False)
- Q.12 Shellac is a synthetic plastic commonly used in building materials. (True/False)

SECTION-C

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

- Q.13 Describe the laying process of ceramic tiles in interior spaces?
- Q.14 Discuss the uses and applications of heavy-duty flooring in industrial buildings.
- Q.15 Discuss the advantages and disadvantages of using acrylic emulsions in paints.
- Q.16 Describe the types of exterior wall finishes commonly used in architectural design?
- Q.17 Write short notes on:
- Marble
 - Granite

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