

- Q.25 Differentiate between water repellants and accelerators.

Q.26 What are the uses of Plastic wall tiles?

Q.27 Write short note:

  - a) Ceramic tiles      b) Terrazzo Flooring

Q.28 Give the five comparisons between Granite and sandstone.

Q.29 Give uses of glass blocks.

Q.30 Explain any four purposes of using Admixtures?

Q.31 Give five differences between hard board and Plywood?

Q.32 Explain following with sketches:-

  - a) Butt Hinge      b) Mortice Lock

Q.33 Explain Corrugated PVC sheets?

Q.34 What are workability increasing agents? Give their five uses?

Q.35 Name any five hardware used in Door.

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write down the specifications of various kitchen Fixtures with shapes & sizes?

Q.37 List down few commonly used ceiling materials. Explain any two with supporting system.

Q.38 What type of flooring would you suggest for Shopping Malls? Explain with reasons.

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ARCH. ASSTT.  
Subject:- Building Materials - I

Time : 3Hrs.

M.M. : 100

## **SECTION-A**

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

- Q.1 Which of the below is not an advantage of brick flooring?

  - a) Fire proof
  - b) Cost effective
  - c) Slip resistant
  - d) Water proof

Q.2 The disadvantage of plywood is

  - a) rough edges
  - b) high cost
  - c) irregular gains on surface
  - d) poor strength to weight ratio

Q.3 Epoxy adhesives are used in the manufacturing of:

  - a) Glass
  - b) Fabric
  - c) Plywood
  - d) Plastic

Q.4 The lower tile in Allahabad tiles is:

  - a) Round
  - b) Flat
  - c) Rectangular
  - d) Curved

Q.5 Super plasticizers reduce water requirement by \_\_\_\_\_ %

  - a) 12-30
  - b) 10-15

- c) 30-42                    d) 48
- Q.6 Which of the following is not a property of fibreglass?  
 a) Organic  
 b) Non flammable  
 c) Thermal insulation  
 d) Reinforcement for plastics
- Q.7 \_\_\_\_\_ floor is used for spans of more than 7.5m'.  
 a) Framed timber      b) Stone  
 c) Glass                d) Double joist timber
- Q.8 Slate in the form of tiles is used  
 a) for paving  
 b) as road metal  
 c) as an excellent roof covering material  
 d) for the manufacture of cement
- Q.9 Which type of water is considered suitable for use in plaster mortars.  
 a) Sea water            b) River water  
 c) Drinking water      d) None of these
- Q.10 \_\_\_\_\_ is used to construct very thin, hard and strong surface:  
 a) RCC                  b) PSC  
 c) PCC                  d) Ferro cement

### **SECTION-B**

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Glass becomes hard on heating. (True/False)

- Q.12 Asbestos cement sheets are stronger than G.I sheets . (True/False)
- Q.13 Wood shingles roofing is not fire-resistant . (True /False)
- Q.14 The skirting/dado in a bath room should be upto \_\_\_\_\_ (Ceiling/200 cm)
- Q.15 Pitched and sloping roofs are suitable for \_\_\_\_\_ (Coastal regions/Plain regions)
- Q.16 The window which projects outside a room of a building for admitting more light and air, is known \_\_\_\_\_ (Dormer window/Bay window)
- Q.17 Dampness causes \_\_\_\_\_ (Growth of termites / Efflorescence)
- Q.18 \_\_\_\_\_ has more fire resisting characteristics? (Marble/ Granite )
- Q.19 \_\_\_\_\_ cement generally used for road pavements.(Rapid hardening/ low heat)
- Q.20 \_\_\_\_\_ is not a type of fixture of fastening for a door. (Lock Frames)

### **SECTION-C**

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain Varnishes. Where it is used ?
- Q.22 Explain thermocoal and Fibre glass
- Q.23 Explain advantages and disadvantages of wallpaper.
- Q.24 Write five differences between Spirit Polish and Wax polish.