

- 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) Terrazo 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 roof 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.