

## **3rd Sem. /Arch. Assistantship**

### **Subject : Building Material & Construction-II**

Time : 3 Hrs. M.M. : 60

## **SECTION-A**

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

Q.1 What is the initial setting time of cement?

- a) 1 hour
- b) 30 minutes
- c) 15 minutes
- d) 30 hours

Q.2 What is the meaning of soundness of cement?

- a) Ability to flow when mixed
- b) Ability to make ringing noise when struck
- c) Ability to form strong and sound structure
- d) Ability to retain volume after setting

Q.3 A slump test for concrete is carried out, to determine.

- a) Strength
- b) Durability
- c) Workability
- d) Water content

Q.4 How should be the colour of good quality timber?

- a) Light
- b) Gradient
- c) Dark
- d) Brown

Q.5 Glass is a mixture of:

- Non-metallic silicates
- Metallic silicates
- Metallic acetates
- Non-metallic acetates

Q.6 The setting speed of mortar can be increased using:

- Lime
- Sulphur
- Pozzolana
- Gypsum

### SECTION-B

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

Q.7 Define portland cement

Q.8 Define flush door.

Q.9 Define M15

Q.10 Define workability of concrete.

Q.11 List the two manufacture of glass

Q.12 What is Toughened glass.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

Q.13 What are the types of cement and their uses.

Q.14 What are setting and hardening of cement.

Q.15 What are the differences of Coarse Aggregates and Fine Aggregates.

Q.16 Explains Defects in timber.

Q.17 Write a short note on hard wood and soft wood.

Q.18 Explain seasoning of the timber.

Q.19 Explain structural glazing and their uses in the modern building.

Q.20 Write a short note on fire door.

Q.21 What are the different material used for windows.

Q.22 Defines cement mortar and also explain their uses.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

Q.23 Write the Uses and classification of lime.

Q.24 Explain the different methods of seasoning and presserervation/ preservative materials of timber.

Q.25 How glass effect the modern building and explain the applications of glass in it.