

Time : 3 Hrs. M.M. : 60

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

- $$(280) \quad (4) \quad 220231 \quad (1) \quad 220231$$

- Q.5 Glass is a mixture of:
- a) Non-metallic silicates
 - b) Metallic silicates
 - c) Metallic acetates
 - d) Non-metallic acetates
- Q.6 The setting speed of mortar can be increased using:
- a) Lime b) Sulphur
 - c) Pozzolana d) Gypsum

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=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. (8x4=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. (2x8=16)

- Q.23 Write the Uses and classification of lime.
- Q.24 Explain the different methods of seasoning and preservation / preservative materials of timber.
- Q.25 How glass effect the modern building and explain the applications of glass in it.