

No. of Printed Pages : 4  
Roll No. ....

220724

**2nd Sem / Civil**

**Subject : Construction Materials**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 For a good building stone how much is the required crushing strength? (CO1)

- a) Less than 50 N/mm<sup>2</sup>
- b) Greater than 100 N/mm<sup>2</sup>
- c) 155 N/mm<sup>2</sup>
- d) 10 N/mm

Q.2 Unburnt bricks are also called (CO1)

- a) Dry brick                      b) Clayey bricks
- c) Kucha bricks                d) Clamp bricks

Q.3 Initial setting time of ordinary Portland cement is

- a) 30 min                      b) 45 min                      (CO2)
- c) 10 hour                     d) None

(1)

220724

Q.4 The surface of freshly cut timber should be (CO3)

- a) Soft and shining            b) Hard and shining
- c) Perfectly round            d) Light in colour

Q.5 Plastics are divided into thermoplastic and thermosetting on the basis of their (CO4)

- a) Behaviour with respect to heating
- b) Structure
- c) Physical properties
- d) Mechanical properties

Q.6 By which mode heat is transmitted (CO5)

- a) Conduction                      b) Convection
- c) Radiation                        d) All of these

**SECTION-B**

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

Q.7 Marble is a \_\_\_\_\_ rock. (CO1)

Q.8 Standard size of brick is \_\_\_\_\_ MM (CO1)

Q.9 Glazed tiles are resistant to \_\_\_\_\_. (CO2)

Q.10 Annular rings represent \_\_\_\_\_ of the tree. (CO3)

(2)

220724

Q.11 Wrought iron forms permanent magnet. (CO4)

Q.12 Fiber boards are soft boards.(T/F) (Co5)

### SECTION-C

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

Q.13 Enlist any five advantages of artificial stones. (CO1)

Q.14 Write any five requirements of a good brick earth. (CO1)

Q.15 Write short note on interlocking tiles. (CO2)

Q.16 Give five points of comparison between cement and lime. (CO2)

Q.17 Define preservation of timber. Write the four requirement of good preservatives. (CO3)

Q.18 Write short note on distempers. (CO3)

Q.19 List any five uses of Wrought iron. (CO4)

Q.20 Write a short note on PVC wall paneling. (CO1)

Q.21 Write a short note on POP. (CO5)

Q.22 Write down any five properties of asbestos. (Co5)

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Briefly explain the operations involved in the process of manufacture of bricks. (CO5)

Q.24 Explain various types of paints commonly used for different purposes. (CO3)

Q.25 Explain different market forms of steel. (CO4)