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**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

- 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 Marbel 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)

(1)

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(2)

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- 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)