CE 212 (R-22)

Total No. of Questions : 10] [Total No.of Pages : 02

II/IV B. Tech. DEGREE EXAMINATIONS, AUGUST - 2024

First Semester

CIVIL ENGINEERING

BUILDING MATERIAL AND CONSTRUCTION

Time : **Three Hours** Maximum : **70** Marks

Answer ONE Question from each Unit. 5x14=70 M

All Questions carry equal marks.

UNIT - I

1. a) What are different considerations to choose good building stone.

   b) Explain manufacturing process of clamp burning.

(OR)

2. Explain structure of tree, what are qualities of good timber ? What is decay of timber ? How to preserve timber ?

UNIT - II

3. a) Explain about reinforced plastic.

   b) What are different types of plastics and what type of plastic commonly used in building.

(OR)

4. What are types of paints composition of paints, considerations in choosing paints, paints commonly used in buildings.

UNIT - III

5. a) Write about load bearing wall and framed wall.

   b) Explain specifications fo cement plastering.

(OR)

6. Explain different types of bonds in brick work and their suitability with neat sketch.

P.T.O.

UNIT - IV

7. a) What are different types of floors explain in detail.

   b) What are different types of flat roofs explain in detail.

(OR)

8. Explain about different types of stair cases and give design considerations for them as per Indian standard consideratinos.

UNIT - V

9. What is dampness ? What are different methods of providing DPC under different situation? Explain different methods to preventing the dampness.

(OR)

10. a) What are the factors to be considered in acoustics of building.

    b) What are different types form work.