

Code: CE3T2

**II B.Tech - I Semester–Regular/Supplementary Examinations  
November 2019**

**BUILDING MATERIALS AND CONSTRUCTION  
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1.

- a) What is dressing of stones?
- b) List out the different tests conducted on bricks.
- c) What do you mean by seasoning of timber?
- d) Give the various uses of steel in building construction.
- e) What do you understand by the term Varnish?
- f) What are the factors to be considered in building acoustics?
- g) Define distemper.
- h) Give the classification of piles.
- i) Draw a neat sketch of English Bond.
- j) Give the classification of various floors?
- k) What do you mean by the term Scaffolding?

## PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Compare between clamp burning and kiln burning. 8 M

b) Mention the operations involved in manufacturing of bricks and explain in brief ? 8 M

3. a) Explain about the defects in timber and also mention how timber can be preserved? 8 M

b) Explain about the various defects in steel. 8 M

4. a) Explain the importance of white washing and colour washing. 8 M

b) Write about the different sound absorbing materials used in buildings along with their importance. 8 M

5. a) Discuss about the combined footings. 8 M

b) Brief about English bond and Flemish bond along with neat sketches. 8 M

6. a) Classify various types of roofs and explain any two types of roofs with neat sketch. 8 M
- b) Explain the causes of dampness and methods of preventing dampness. 8 M