

Code: CE3T2

**II B.Tech - I Semester–Regular/Supplementary Examinations
November 2018**

**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) Write some good qualities of building stones.
- b) List the various tests for bricks.
- c) List out the various defects in timber.
- d) What are the uses of steel?
- e) Define the terms white & colour washing.
- f) State some of the sound absorbing materials.
- g) List out the different types of foundations.
- h) Define the term English bond.
- i) Classify the various types of roofs.
- j) Cite the causes of dampness.
- k) Define the term shoring and list the methods of Underpinning.

PART – B

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

3 x 16 = 48 M

2. a) What do you understand about the dressing of stones and explain the methods of dressing of stones? 8 M
- b) Explain in-detail about the manufacturing process of bricks. 8 M
3. a) Point out the principal reasons for decaying timber. 8 M
- b) List out the properties of hard steel. 8 M
4. a) Quote the important guidelines for the use of plastic emulsion paints and oil paints. 8 M
- b) Explain the factors to be considered in acoustical designs. 8 M
5. a) Discuss about functions and requirements of good foundations. 8 M
- b) Classify the types of bonds and explain about the Flemish bond with neat sketch. 8 M

6. a) Discuss various types of floors and explain about any two.

8 M

b) Define form work. What are the stages involved in construction of form work? Explain briefly.

8 M