

Code: CE3T2

**II B.Tech - I Semester–Regular/Supplementary Examinations  
November 2016**

**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 a stone quarry?
- b) What do you understand by Tempering in the manufacturing of bricks?
- c) What is heart wood?
- d) Write about hardening of steel.
- e) Write about Enamel Paints.
- f) What is Decibel?
- g) What do you understand by eccentrically loaded footing?
- h) What is a Double Flemish Bond in brick work?
- i) Explain cavity wall.
- j) What is a composite roof truss?
- k) What is Guniting?

## PART – B

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

3 x 16 = 48 M

2.

a) List and explain common building stones of India. 8 M

b) List the desirable qualities of good bricks. Explain tests conducted on bricks. 8 M

3.

a) List and explain various methods of seasoning Timber. 8 M

b) Explain the properties of hard steel. 8 M

4.

a) Explain the constituents of Paint. 8 M

b) Explain requirements of sound effects. 8 M

5.

a) Explain various types of foundations. 8 M

b) List the rules of bonding in brick masonry. What are the advantages of brick masonry over other types of masonry ? 8 M

6.

a) Describe the construction of these floorings:

(i) Tiled flooring (ii) Marble flooring.

8 M

b) List various types of scaffoldings. Explain Cantilever or needle scaffolding with the help of a neat sketch. 8 M