

**2041**

**B.E. 3rd Semester (Civil Engg.) Examination,  
December-2013**

**BUILDING CONSTRUCTION MATERIALS  
AND DRAWING**

**Paper- CE-203-E.**

*Time allowed : 3 hours ]*

*[Maximum marks : 100*

*Note : Attempt any five questions. All questions carry equal marks.*

1. (a) Discuss the advantage and disadvantage of brick masonry over stone masonry. 10  
(b) Explain the different types of partition wall. 10
2. (a) What are the functions of a foundation ? State the requirement of a good foundation. 10  
(b) Differentiate between Damp-proofing and Waterproofing. 10
3. Explain the following terms :  $4 \times 5 = 20$ 
  - (a) Trussed Roof
  - (b) Sliding Door
  - (c) Sound Insulation
  - (d) Fire fighting arrangement in a building

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4. (a) What do you mean by seasoning of stone ?  
Explain. 10
- (b) What is the different classification of bricks ? 10
5. (a) Distinguish between fat lime and hydraulic lime. 10
- (b) Explain the properties of a good timber. 10
6. Explain the following terms :  $4 \times 5 = 20$
- (a) Properties of cast iron
- (b) Types of Paint
- (c) Varnishes
- (d) Polymerization of plastic
7. Draw the typical drawing of following :  $2 \times 10 = 20$
- (a) English bond.
- (b) Isolated Column footing
8. Draw the typical drawing of following :  $2 \times 10 = 20$
- (a) Dog-legged stair
- (b) Corner window