

Roll No. ....

**2041**

**B. E. 3rd Sem. (Civil Engg.)  
Examination – December, 2011**

**BUILDING CONSTRUCTION MATERIAL & DRAWING**

**Paper : CE-203-E**

**Time : Three hours ]**

**[ Maximum Marks : 100**

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Attempt any *five* questions. Draw neat sketches as and where required. All questions carry equal marks.

**1. Describe with neat diagram the following Partition**

**Walls :**

- (a) Timber,
- (b) Plain Concrete,
- (c) Bricks,
- (d) Glass.

**4 x5 = 20**

2. (a) What are the General Principles to be taken care of in the construction of stone masonry ? Describe neatly.
- (b) Describe the various defects in Brick Masonary.
- $12 + 8 = 20$
3. How will you Classify Foundation. Describe each with neat sketches and give their suitability. 20
4. What do you understand by Damp - Proofing course ? Where will you place it in a building located in hilly township with sliding Backfill ? Give details of its construction and materials used. 20
5. Describe various types of Flooring used in pain-areas; with its merits and demerits of Construction there of for each type. 20
6. Describe Sliding and Swing Doors and where are these placed in a building in residential zone of a city. Also what points will be kept in view which deciding their locations. 20
7. (a) Draw the Plan and X-Section of Grillage Foundation.
- (b) Draw the cavity wall;  $1\frac{1}{2}$  Brick wall thick, showing detailed plan and end section.

$10 + 10 = 20$

8. (a) Give characteristic of an Ideal Paint.  
(b) Describe the qualities of a Good Timber.

10 + 10 = 20

9. Enumerate uses of Lime and explain all precaution to be taken in its handling to Avoid Accidents. 20