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CT-405/BCM&CED/4th Sem/2013/N

**BUILDING CONSTRUCTIONS,
MAINTENANCE AND CIVIL
ENGINEERING DRAWING**

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. (a) Explain in brief with sketches various types of pitched roofs. 7
- (b) Write a note on location of doors and windows. 7
2. (a) Draw a neat sketch of a timber door with shutter. Label various parts and draw the details of various joints. 10
- (b) What do you understand by scaffolding? What are the essential requirements? 4
3. (a) Describe the various constituents of paints. 7

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- (b) Explain the procedure of varnishing on the wood surface. 7
4. (a) Explain the term foundation and the objects of providing foundation. 4
- (b) Enumerate various types of foundation. Briefly explain each of them. 10
5. (a) Explain with neat sketch a king-post truss giving details of joints. 10
- (b) Distinguish between lintel and an arch. 4
6. (a) Classify various types of lintels and explain each with the help of sketches. 10
- (b) State briefly the requirement of a good staircase. 4
7. Explain with the help of sketches the following terms : 14
- (i) Landing
 - (ii) Nosing
 - (iii) Newel
 - (iv) Hand rail
 - (v) Stringer
 - (vi) Tread
 - (vii) Baluster.