Combined First and Second Semester B.Tech. Degree
Examination, October 2014
(2013 Scheme)
13.106 : BUILDING TECHNOLOGY (C)

Time : 3 Hours Max. Marks : 100

PART – A
Answer all questions. Each question carries 4 marks.
1. List the various qualities of good timber.
2. Mention the factors to be considered while making selection of site for quarry of stones.
3. Write a short note on grillage foundation.
4. Discuss the different forms of rubble masonry.
5. What are the objectives of plastering?  \((5 \times 4 = 20 \text{ Marks})\)

PART – B
Answer any one full question from each Module. Each question carries 20 marks.

Module – I
6. a) Explain briefly the process of manufacturing of brick. \(10\)
b) What are the various defects in timber? \(10\)

OR
7. a) What is meant by dressing of stones? Explain different types of dressing. \(10\)
b) List various tests conducted to assess the quality of bricks. Explain any two. \(10\)

Module – II
8. With neat sketches, explain in detail, different types of shallow foundations. \(20\)

OR
9. a) Discuss briefly various methods for improving safe bearing capacity of soil. \(10\)
b) Explain various methods for timbering of foundation trenches. \(10\)
Module – III

10. a) Explain the features of English bond. Sketch the plan and elevation of alternate courses of 1 brickwall in English bond. 10
    b) Describe briefly different types of shoring. 10

    OR

11. a) List various types of arches. Explain any two. 10
    b) Describe briefly various materials used for scaffolding. 10

Module – IV

12. a) With neat sketches, explain different types of door. 10
    b) What are the factors to be considered in selection of roof covering materials? 10

    OR

13. a) What are the requirements of a good stair? With neat sketches, explain in detail various types of stair. 15
    b) Write a short note on damp proof course. 5