Combined First and Second Semester B.Tech. Degree
Examination, January 2019
(2013 Scheme)
Civil Engineering
13.106 : BUILDING TECHNOLOGY (C)

Time : 3 Hours
Max. Marks : 100

PART – A

Answer all questions. Each question carries 4 marks.

1. Mention the various operations involved in the manufacture of bricks.

2. What are the different types of reinforcing steel?

3. Differentiate between shallow foundations and deep foundations.

4. What is shoring? Mention a situation where shoring is needed.

5. Write a note on various methods of DPC. (5x4=20 marks)

PART – B

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

Module – I

6. a) Write a note on each of the following mentioning the properties and uses:
   i) plywood ii) fibre board iii) particle board.

   b) What are the different types of mortar? List their uses.
      OR

7. Explain the different types of cement with their properties and uses.

P.T.O.
Module – II

8. Explain with sketches the classification of pile foundations.  
   OR

9. What is meant by bearing capacity of soil? What are the tests for determining the bearing capacity of soil? List the methods to improve bearing capacity of soil.

Module – III

10. a) What is underpinning? What are the methods of underpinning?
    b) Explain with sketches various types of arches.
   OR

11. Write a note on classification of stone masonry. Explain with sketches the various types of rubble masonry and ashlar masonry.

Module – IV

12. a) Explain any five types of doors.
    b) Discuss the different types of floor finishes with their suitability.
   OR

13. a) Write a note on different types of roofs.
    b) What is plastering? What are the objectives of plastering? (4x20=80 Marks)