Combined First and Second Semester B.Tech. Degree
Examination, December 2016
(2013 Scheme)
13.106 : BUILDING TECHNOLOGY (C)

Time : 3 Hours
Max. Marks : 100

PART – A

Answer all questions. Each question carries 4 marks.

1. What are the methods for quarrying stones?

2. Distinguish between fat lime and hydraulic lime.

3. Explain the types of piles according to the method of load transfer.

4. What are cavity walls? State their advantages.

5. What are the objectives of plastering?

PART – B

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

Module – I

6. What are the various types of defects in timber? Explain.

OR

7. a) What are the types and functions of reinforcing steel in concrete? Explain the various market forms of structural steel.

b) What are geotextiles? Give any two examples for their use in geotechnical engineering.

P.T.O.
Module – II

8. a) Explain the various methods of timbering of foundation trenches.

b) With the help of sketches explain the following types of foundations:
   i) Combined footing and
   ii) Raft foundation.

OR


Module – III

10. a) Compare the English bond with Flemish Bond. Sketch the plan and elevation of 1½ brick Flemish bond brick masonry.

b) Compare stone masonry with brick masonry. Explain the different types of Ashlar masonry.

OR

11. Explain with neat sketches the different types of scaffolding.

Module – IV

12. a) Compare the characteristics and discuss the suitability of flat and sloping roofs. Sketch the details of a collar roof.

b) Give the details of a battened, ledged and braced door.

OR

13. Write short notes on:
   a) Dog legged stair
   b) Pointing
   c) Damp Proof Course
   d) Termite proofing.