Reg. No. : ............................................
Name : ................................................

Combined First and Second Semester B.Tech. Degree
Examination, March 2018
(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 factors to be considered during selection of a construction material?

2. List the various qualities of good building stones.

3. What is meant by safe bearing capacity of soil?

4. Differentiate between stone and brick masonry.

5. List different types of floor finishing materials. (5×4=20 Marks)

PART – B

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

Module – I

6. a) What is meant by decay of timber? What are its causes? 10

b) What is meant by seasoning of timber? Explain various methods. 10

OR

7. a) What are the ingredients of cement? Discuss the desirable proportion and their functions. 10

b) What are the different types of cements? Explain their features and uses. 10

P.T.O.
Module – II

8. a) Discuss the factors to be considered while selecting a site for a building. 10
   b) Explain with a neat sketch, various components of a building. 10

   OR

9. a) Explain the process of setting out of a building. 10
   b) What are pile foundations and where do we adopt them? Explain its different forms. 10

Module – III

10. a) With neat sketches, explain the differences between English bond and Flemish bond. 10
   b) What are the advantages and disadvantages of cavity walls? 10

   OR

11. a) What is meant by under-pinning? Explain its various methods. 15
   b) Write a short note on scaffoldings. 5

Module – IV

12. a) What are the various roof covering materials used in building construction? Discuss the advantages of each material. 10
   b) Explain in detail the different materials used for making doors and compare their features. 10

   OR

13. a) How are the different surfaces prepared for painting? 10
   b) What are the relative advantages and disadvantages of flat roof and sloping roof? 10