



Reg. No. : .....

Name : .....

**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 ? (5x4=20 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

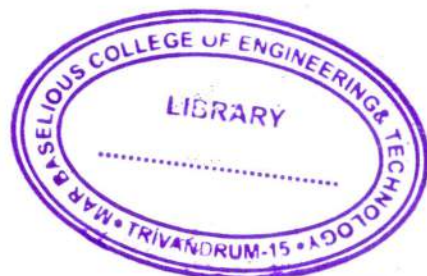
**Module – II**

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

P.T.O.



**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**
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