

R07**Code: R7210104**

B.Tech II Year I Semester (R07) Supplementary Examinations, May 2013

BUILDING MATERIALS & CONSTRUCTION

(Civil Engineering)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write about the uses of building stones.
(b) What do you mean by stone quarrying?
- 2 Describe in brief the special varieties of glass.
- 3 (a) Write about various laboratory tests for cement.
(b) What are various types of cement?
- 4 (a) Enumerate various uses of timber.
(b) Write a critical note on the plantation of teak trees.
- 5 What are the requirements of a good mortar? How do you determine the consistency of mortar?
- 6 What is meant by a 'combined footing'? When do you adopt it? What modification will you make if one of the columns lies just at the edge of the adjacent property?
- 7 (a) Define the following terms: Head room, landing, nosing, pitch and step.
(b) How are stone stairs constructed and supported?
- 8 (a) What is stucco plastering? Describe the method of applying stucco on interior and exterior walls.
(b) How do you select the materials and sizes of forms for construction work?
