

B. TECH IN CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2011

00438

BICE-005 : BUILDING TECHNOLOGY - I

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

All the questions are to be answered in English Language only.

1. (a) Describe the geological classification of rocks. 5
- (b) Discuss the common building stones with their uses. 5
2. Explain in detail the defects and their causes occurring in timber. 10
3. (a) Discuss in detail the various steps involved in the preparation of common bricks. 5
- (b) Write a note on I.S classification of bricks. 5
4. Give the properties of concrete. What are the different tests for fresh and Hardened concrete ? 10

5. (a) Explain the different types of mortar. 5
(b) Discuss the classification of sand according to the source of supply. 5
6. Explain in short the spread, grillage, raft, mat and pile foundation with diagram. 10
7. Write in detail the procedure for the construction of cavity wall with diagram. 10
8. What is curing ? Discuss any four methods of curing in detail. 10
9. (a) Give the important parts of a panelled door with diagram. 5
(b) What is plastering ? Discuss the method of plastering. 5
10. Write short notes on *any two* of the following :2x5=10
(a) Shoring and Scaffolding
(b) Thermoplastics and Thermosetting Plastics
(c) Composition of Portland Cement
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