

00224

**B.TECH. CIVIL ENGINEERING (BTCLEVI)**

**Term-End Examination**

**June, 2014**

**BICE-005 : BUILDING TECHNOLOGY - I**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt any five questions. All questions carry equal marks.*

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1. (a) Write the classification of rocks. Discuss them in brief. 7
- (b) Enumerate the various defects in the Timber. Also mention various causes of early Decay in Timber. 7
2. (a) What are the various types of cement ? Write the uses and important properties of cement. 7
- (b) Explain the slump test of concrete. Also mention the properties of fresh concrete. 7
3. (a) What are the types of Roofs ? Also mention the various types of roofing material and its uses. 7
- (b) What is Scaffolding ? Explain any one type of Scaffolding in detail. 7

4. (a) What is meant by curing of concrete? What are its purposes? What are the ill effects of improper curing? 7
- (b) Explain Cavity Walls and Partition Walls. Write the types and features of Partition Walls. 7
5. (a) Compare Brick and Stone Masonary Work. Explain the different types of stone masonry. 7
- (b) Write properties and uses of structural Steel and Timber. 7
6. (a) What are the different types of Foundations? Describe any one in detail. 7
- (b) What are the different types of floor and floor coverings? Also mention it's advantages. 7
7. (a) Mention advantages and disadvantages of pre-cast concrete. 7
- (b) What is Plastering? How is it different from pointing? Explain. 7
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