

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

**Term-End Examination**

00365

**December, 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 Bricks. Explain them in brief. Also write the uses of bricks. 7
- (b) Enumerate the qualities of good bricks. Also mention the tests conducted to check the quality of a brick. 7
2. (a) Write the classification of mortar. Also write the uses of mortar. 7
- (b) Write the properties of Hardened concrete and write the advantages of curing. 7
3. (a) Enumerate the types of floors and also mention types of roofing material with its uses. 7
- (b) What are the finishing works ? Enlist them and explain in brief. 7

4. (a) Explain the following terms in brief : 7  
(i) Batching  
(ii) Mixing  
(iii) Compacting
- (b) Write the process of manufacturing cement, in brief. 7
5. (a) What is seasoning ? Also write the purposes of seasoning. 7
- (b) Write the field tests and laboratory tests for cement. Explain any one of them in detail. 7
6. (a) What is Bleeding of concrete ? What are its effects ? 7
- (b) Define creep. What are its effects and what are the steps taken to reduce the creep ? 7
7. (a) Write the properties and uses of common stones in detail. 7
- (b) Write the advantages and disadvantages of prestressed concrete. 7
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