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

**Term-End Examination**

**June, 2012**

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

*Time : 3 Hours*

*Maximum Marks : 70*

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*Note : Attempt any seven questions.*

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1. Name the different building stones available in India. Give their uses and classification. 10
2. What are tiles ? How they are manufactured ? Also write its uses. 10
3. (a) What are the types of cement ? Also give its properties. 5  
(b) Discuss in detail the different structural sections of the steel. 5
4. Explain in brief about Glass, Plastics, A.C. sheets and thermocole. Also give its uses in construction industry. 10
5. What do you understand by the term bearing capacity of soil ? How will you improve the bearing capacity of the soil ? 10

6. Explain about Lintels and arches. 10
7. Describe about batching, mixing, placing, compacting & curing of concrete in brief. 10
8. Describe the following : 10
- (a) Types of doors and windows, and
  - (b) Scaffolding
9. Write about the types of roofs and also the types & uses of roofing materials ? 10
10. Write short notes on *any two* of the following : 10
- (a) Spread foundation
  - (b) Properties and uses of lime
  - (c) Brick bonds
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