

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

**Term-End Examination**

**December, 2017**

00262

**BICE-009 : BUILDING TECHNOLOGY – II**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Answer any seven questions. All questions carry equal marks.*

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1. Discuss briefly the various types of sound absorbing materials. What are the requirements for good acoustics ? 10
  
2. Explain the advantages and disadvantages of pre-fabricated and slip-form construction methods. 10
  
3. What is Daylight Factor ? How is it computed ?  
List out the requirements of good lighting. 10
  
4. Describe the thermal insulation of roofs and exposed walls. Explain the properties of insulating materials. 10

5. Write short notes on the following : 10
- (a) Features of Tropical Climate
  - (b) Lighting Requirements of Buildings
6. List out and explain the various types of foundation failures. 10
7. Explain with neat sketch, the principal systems of plumbing for drainage of a building. 10
8. Differentiate between stairs, elevators and escalators. Also provide neat sketches to support your answer. 10
9. Write short notes on any *two* of the following : 10
- (a) Fire Load
  - (b) Welding
  - (c) Echo
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