

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00653

June, 2018

BICE-009 : BUILDING TECHNOLOGY – II

Time : 3 hours

Maximum Marks : 70

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

1. Write a detailed note on expansion and contraction joints. 10

2. Explain, in detail, the fire safety requirements of buildings. 10

3. Discuss, in detail, the different types of thermal insulating materials. 10

4. What do you understand by prefabrication ? Discuss the advantages and disadvantages of prefabricated structures. 10

5. What is daylight factor ? How is it computed ?
List out the requirements of good lighting. 10
6. Briefly explain the following two systems used in
ventilation : 10
- (a) Extraction system
 - (b) Air supply system
7. Write short notes on : 10
- (a) Escalators
 - (b) Slip form construction
8. Discuss the application of external shading
devices, internal blinds, curtains and special
glass in building construction. 10
9. Write short notes on any *two* of the following : 10
- (a) Decibel scale
 - (b) Foundation failures
 - (c) Reverberation time
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