

B.Tech. CIVIL ENGINEERING (BTCLEVI)**Term-End Examination****December, 2015****BICE-005 : BUILDING TECHNOLOGY – I***Time : 3 hours**Maximum Marks : 70*

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

1. What is the purpose of dressing stone ? Discuss the different types of surface finishes employed in stone masonry construction. 10

2. Define bond. Distinguish between a wall in English bond and a wall in Flemish bond with the help of sketches. 10

3. What are the characteristics of good timber ? Explain the terms : Decay of timber, Seasoning of timber and Preservation of timber. 10

4. What do you understand by the term “Curing” ? Why is it essential to cure concrete ? What are the various methods commonly adopted in curing ? 10

5. Write short notes on the following : *2×5=10*
- (a) Normal Setting Cement
 - (b) High Alumina Cement
6. What are plastics and how are they classified ?
What are the general properties of plastics ? *10*
7. Draw neat sketches to explain the following types of foundations : *2×5=10*
- (a) Grillage foundations
 - (b) Raft foundations
8. What do you understand by the terms, arches and lintels ? Describe in brief the various types of arches used in modern construction. *10*
9. What are the advantages of using Asbestos-cement sheets as a roof covering for pitched roof ? Describe the methods of fixing A.C. sheets to timber purlins. *10*
10. What are the constituents or ingredients of an oil paint ? Describe the role of each constituent in the painting process. *10*
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