

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00122

December, 2017

BICE-005 : BUILDING TECHNOLOGY – I

Time : 3 hours

Maximum Marks : 70

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

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

2. (a) What are the characteristics of a good lime? 5
(b) What is Seasoning ? Why is it necessary in timber? 5

3. Write the various properties of structural steel. Also give its uses for construction purpose. 10

4. (a) Write the properties and uses of common stones in detail. 5
(b) Write the field tests and laboratory tests for cement. Explain any one of them in detail. 5

5. What do you understand by segregation of cement ? Write the procedure of hand mixing of concrete in detail. 10
6. Explain the procedure of constructing a cavity wall with sketches. 10
7. Write about the different types of finishing works to be done in construction and explain them briefly. 10
8. (a) What are the different types of foundations ? Describe any one in detail. 5
- (b) Mention the advantages and disadvantages of precast concrete. 5
9. What are the various types of floors and floor coverings ? Explain. 10
10. Write short notes on any **four** of the following : $4 \times 2 \frac{1}{2} = 10$
- (a) Colour Washing
 - (b) Compaction of Concrete
 - (c) Curing of Concrete
 - (d) Scaffolding
 - (e) Types of Roofs
 - (f) Normal Setting Cement
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