

00352

B.TECH. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2012

BICE-005 : BUILDING TECHNOLOGY - I

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

1. (a) How are bricks classified ? Give the properties of good bricks. 5
(b) What are the characteristics of a good lime? 5
2. What is seasoning ? How is it necessary in timber ? Write about various types of defects in timber with the help of neat sketches. 10
3. Explain briefly the manufacturing process of cement. Differentiate between quick setting cement and rapid hardening cement. 10
4. Write the various properties of structural steel. Also give its uses for construction purpose. 10

5. Describe in brief : 10
- (a) Settlement of foundation
 - (b) Bonds in brick work
 - (c) Compaction of concrete
 - (d) Curing of concrete.
6. What do you understand by prestressed concrete and what are its advantages and disadvantages ? 10
7. What are the various types of floors and floor coverings ? Explain. 10
8. Write about the different types of finishing works to be done in construction and explain them briefly ? 10
9. Write the types of distempers. Differentiate between paint and distempers. 10
10. Write short notes on *any two* of the following : 10
- (a) Scaffolding
 - (b) Pile & mat foundations
 - (c) White & colour washing.

