

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CE) (2011 Onwards) (Sem.-3)
BUILDING MATERIALS & CONSTRUCTION
Subject Code : BTCE-305
M.Code : 56076

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION A

1. Answer briefly :

- a) Draw a Standard Brick with dimensions.
- b) Write the composition of cement.
- c) What do you mean by Decay of Timber?
- d) Write a note on plastic as Building Material.
- e) What are the different methods of plastering?
- f) Describe the special material for plastered surface.
- g) Differentiate between Segregation and Bleeding of Concrete.
- h) How Fire protection measures can be considered in a building?
- i) Describe cement concrete hollow blocks.
- j) Differentiate between Paint and Distemper.

SECTION-B

2. What are the various tests which can be performed on the cement?
3. What do you mean by Plastering and defects in Plastering?
4. What are the causes and bad effects of Dampness?
5. Explain the Progressive kiln seasoning of the Timber.
6. Draw one and a half brick thick English Bond.

SECTION-C

7. A hospital building is under construction. Being a civil engineer, what are the various building services you have to keep in mind for the hospital building?
8. What do you mean by Workability? What are the various factors affecting workability? How it can be measured?
9. What do you mean by Foundation? What are the various types of Foundations? Explain causes of failures and remedial measures.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.