

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

B.Architecture (2012 & Onwards) (Sem.-3)
BUILDING CONSTRUCTION AND MATERIALS-III
Subject Code : BACH-302
M.Code : 70414

Time : 4 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt FOUR questions from Section-B, selecting two questions from Unit-I & any one from Unit-II Except Question no. 5.
2. Question No. 5 is compulsory.
3. Section-A is compulsory.

SECTION-A

1) Write briefly : 5×2=10

- (a) Give the uses of glass block and Tinted glass in buildings.
- (b) Differentiate between fibre board, particle board and gypsum board.
- (c) Define waist slab, head height.
- (d) Sketch the shuttering detail for square column.
- (e) Enlist various types of stone floorings.

SECTION-B**UNIT-I**

- 2) Explain the character and uses of wired glass, fibre glass, laminated glass and obscured glass in building industry. (15)
- 3) Explain the manufacturing process and qualities of various decorative veneers available in the market. (15)
- 4) Explain the applicability of plywood and batten board in the building industry. (15)

UNIT-II

- 5) Draw a section of a double storey building through staircase. (20)
- 6) Draw the following construction details : (5×3=15)
- (a) Baluster fixing detail
 - (b) Nosing detail
 - (c) R.C.C. formwork and shuttering details for staircase
- 7) Draw the following details : (5×3=15)
- (a) Stone cladding in exterior
 - (b) Aluminum composite panel sheets cladding in exterior
 - (c) Cast-in-situ terrazzo flooring detail.

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.