

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 total FIVE questions including COMPULSORY Q.No. 1 and any TWO questions from each UNIT I and II.
2. Assume the missing data if any and mention it along answer.

Write briefly :

1.
 - a) What are the compositions of a common glass? (2)
 - b) Write any two applied timber product, which are used as a substitute of timber? (2)
 - c) What do you mean by lintel? (2)
 - d) Write any two materials, which are used for partition. (2)
 - e) What do you mean by cladding? (2)

UNIT-I

2. What do you mean by veneers? Explain any two types of veneers in detail along with its manufacturing process. (10)
3. Enlist the different types of glass used in construction industry. Explain its uses in modern high-rise structure. (10)
4. Write short notes on following :
 - a) Laminated glass (5)
 - b) Bamboo board (5)

UNIT-II

5. Design and Draw plan, section and any two detail of RCC Stair case for a community hall of size 2.4 meters \times 6.0meters on suitable scale. The floor height is 3.5 meter. Assume the opening and entry of stair case (22.5)
6. Draw a skin section of two storey building through toilet to suitable scale showing the RCC foundation, floor, window, lintel, roof terracing and parapet on suitable scale. (22.5)
7. Write short notes on followings with neat sketches :
 - a) PCC Flooring (7.5)
 - b) RCC Form work for staircase (7.5)
 - c) Shuttering of round column (7.5)

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.