

**Total No. of Questions : 05**

**Subject Code : AR-223**

**M.Code : 45021**

**Time : 4 Hrs.**

**Max. Marks : 70**

**INSTRUCTION TO CANDIDATES :**

1. Attempt ONE question from Unit-I and TWO questions from Unit-II.
2. Assume the missing data and if any.

## UNIT-I

1. What is the various classification of Glass? What are the various applications of wired glass and glass blocks in buildings? (10,10)
2. What are the various types and uses of particle board? Explain the manufacturing process of batten board. (10,10)

## UNIT-II

3. Draw a typical Section through a double storied building through toilet and staircase showing the details of foundation, floor, window, lintel, chajja, roof, terrace and parapet. (25)
4. A school science laboratory is to be provided with terrazzo flooring. Draw the construction details for showing all the construction details for the flooring. (25)
5. Draw the plan, elevation & construction details for a dog legged R.C.C. stairs with the floor to floor height being 3.2 m for a house. (25)

**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.**