Roll No.							Total No. of Pages : 0

Total No. of Questions: 07

B. Architecture (Sem.-6) BUILDING CONSTRUCTION AND MATERIALS-VI

Subject Code: AR-324 M.Code: 45045

Time: 4 Hrs. Max. Marks: 75

INSTRUCTION TO CANDIDATES:

- 1. Attempt any TWO questions from each UNIT I & II.
- 2. Total no. of questions to be attempted are FOUR.
- 3. Assume the missing data if any.

UNIT-I

- 1. What are the characteristics of wrought iron? What are the various applications of steel in building? (12.5)
- 2. What are the various types of aluminum available in the market? Draw sketches of the various sections of aluminum to be used for construction of an aluminum window.

(12.5)

- 3. Write short notes on following:
 - a) Rolled steel sections
 - b) Lattice girders and its use

(12.5)

UNIT-II

- 4. Draw a north light roof truss for an industrial shed of size 20m × 8 m size. Draw plan, elevation, section & complete details including fixing of roof covering & north light glazing. (25)
- 5. A sliding door in aluminum is to be provided for an opening of size 3 m in a banquet hall. Draw the construction details, plan, sectional elevation to explain the design. (25)
- 6. Draw the plan, elevation & construction details for a steel stairs with the floor to floor distance being 3.0 m in an automobile showroom. (25)
- 7. Draw the plan, elevation & construction details for steel flooring for a mezzanine in an industrial shed. (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.

1 M-45045 (S17)-886