

Roll No.

Total No. of Pages : 01

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.

UNIT-I

1. Sketch the making of Aluminium Sections. (12.5)
2. Sketch the Manufacturing Process of Cast Iron. (12.5)
3. Sketch the Manufacturing of Stainless Steel. (12.5)

UNIT-II

4. Make the suitable details of opening $2400\text{mm} \times 2400\text{mm}$, Door-Window, with Sill height 365mm , 32mm thick red sandstone Jamb and Sill (at slope $1:50$), using Aluminium Sliding door and Fixed and openable windows in profile sections. (25)
5. Make the suitable details of opening $2400\text{mm} \times 1500\text{mm}$, Window, with Sill height 365mm , 32mm thick RCC Jamb and Sill (at slope $1:30$), using Pressed Steel frames and wooden Fixed and openable window shutters. (25)
6. Make the suitable Truss proposal for the span of 30m where maximum height of building shall not exceed 20m . Make all suitable details. (25)
7. Make the suitable details of factory made with prefabricated Steel Panels using Steel Structural system, flooring, and Staircase details. (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.