

important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

1 of 2

OR

- 6 Discuss the methods of assemblage of structural steel sections. Sketch the following connection detail:
 - (i) Beam to beam connection
 - (ii) Beam to column connection

(20 Marks)

Module-4

- 7 It has been proposed to use steel windows of size $1.2 \times 1 \text{ m} (w \times h)$ in a hospital building. Draw the following to a suitable scale;
 - (i) Elevation
 - (ii) Plan showing the detail of steel sections
 - (iii) 1 detail

(20 Marks)

OR

8 a. What is a rolling shutter? Discuss its various types. (08 Marks)

b. Discuss the various components of a rolling shutter and demonstrate them using an elevation and selection sketch. (12 Marks)

Module-5

9 a. Discuss the manufacturing process of aluminum, a building material. (10 Marks)
b. Draw any two standard aluminum sections in a partition. (10 Marks)

OR

10 Draw to a suitable scale plan, elevation and two details of an aluminum horizontally sliding sash window of size 1.8 m × 1.2 m (W × H). (20 Marks)