

Module-4

- 7 Design a space frame structure for an area of 20×15 m. Provide the following details : (08 Marks)
- a. Roof plan and section (06 Marks)
 - b. Partial Enlarged section showing connector details (06 Marks)
 - c. Type of support system.

OR

- 8 a. With the help of sketches explain Tensile Roofs. (05 Marks)
- b. List the different types of tensile roofs and the roofing material used for the same. (10 Marks)
- c. Explain the concept of pneumatic structures with the help of sketches. (05 Marks)

Module-5

- 9 Write short notes on the following : (12 Marks)
- a. Water proofing in Basements and toilets (08 Marks)
 - b. Sealants and their application in the building industry.

OR

- 10 Write short notes on : (10 Marks)
- a. Applications of recycled plastic in the building industry. (10 Marks)
 - b. Uses of plastic in the interiors of a residence.

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