



CBGS SCHEME

USN

18ARC62

Sixth Semester B.Arch. Degree Examination, Dec.2025/Jan.2026 Materials and Methods in Building Construction - VI

Time: 4 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1 Write short notes on :

- Glass Etching (04 Marks)
- Tinted Glass (04 Marks)
- Glass Murals (04 Marks)
- Toughened Glass (04 Marks)
- Glass Block. (04 Marks)

OR

2 Draw following details in frameless glass door :

- Plan (05 Marks)
- Elevation (05 Marks)
- Section (05 Marks)
- Any one detail. (05 Marks)

Module-2

3 Design a structural glazing for a building façade of size 8m (width) \times 7.2m (height) showing following details :

- Plan (07 Marks)
- Evaluation (07 Marks)
- Section (06 Marks)

Assume suitable scale.

OR

4 Explain with neat sketches :

- Curtain wall system (10 Marks)
- ACP Cladding. (10 Marks)

Module-3

5 Draw following details of UPVC sliding window of size 1.5m \times 1.35m.

- Plan (07 Marks)
- Elevation (07 Marks)
- Section (06 Marks)

Assume suitable scale

OR

6 Draw following details of Wooden Bypass Sliding door of size $2m \times 2.1m$. Assume suitable scale.

- Plan (06 Marks)
- Elevation (06 Marks)
- Section (06 Marks)
- Any one detail. (02 Marks)

Module-4

7 Draw Plan, Elevation and Section of Aluminum Partition of size $6m \times 3m$. Assume suitable scale. (20 Marks)

OR

8 Draw following with neat sketches :

- Steel Partitions (10 Marks)
- Aluminium Partitions. (10 Marks)

Module-5

9 Draw following details of skylight of size $2m \times 2m$ using steel and glass.

- Plan (08 Marks)
- Section (08 Marks)
- Any 1 detail. (04 Marks)

OR

10 Explain with sketches :

- Sandwich panel walls (10 Marks)
- PUF panels. (10 Marks)

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