



**DDD-161001010102**

Seat No. \_\_\_\_\_

**B. Architecture (Sem. I) Examination**

**May - 2022**

**Building Material & Construction - I**

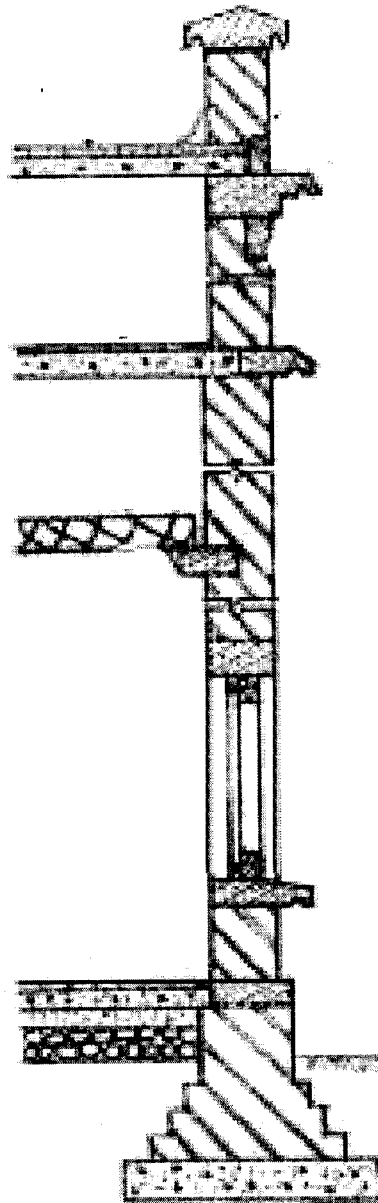
Time : 2 Hours]

[Total Marks : 50

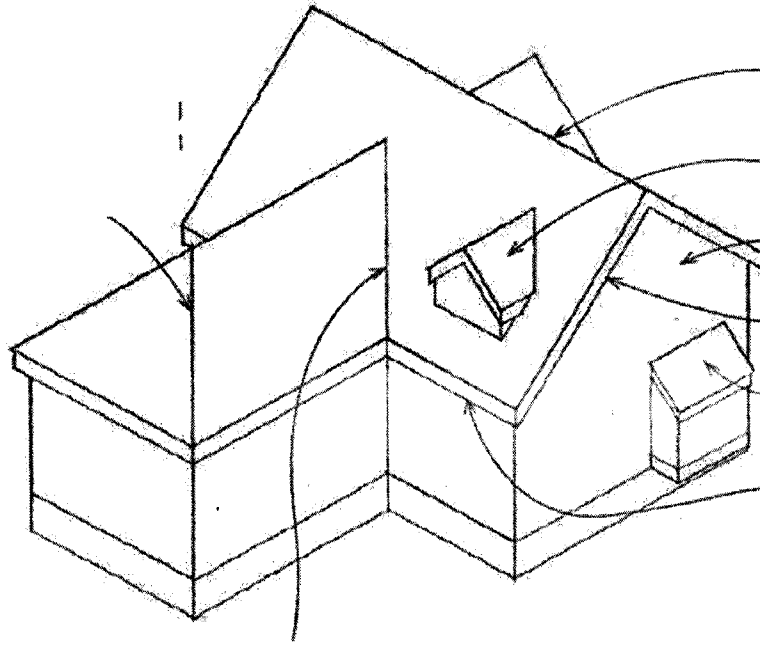
- 1 Sketch the section of the Staircase and identify all the parts associated with it. The height difference between two floors finish level is 2500 mm. Assume other dimensions accordingly. **15**
- 2 Differentiate between : (any **five**) **10**
- (a) Vault and Dome
  - (b) Pivoted Window and Louvered Window
  - (c) Load bearing Structure and Frame Structure
  - (d) Hardness and Toughness of a material
  - (e) Pad footing and Strip Footing
  - (f) Tension Force and Compression Force
- 3 Give True / false / neither with short explanation : (any **five**) **10**
- (a) Steel rod is good in compression
  - (b) Stone has good elastic limit
  - (c) Sill is a part of a window
  - (d) Glass is a stiff material
  - (e) Plywood has better tensile strength than wood in all directions
  - (f) Steel is a brittle material
  - (g) It is a good idea to make a steel column than a stone pillar.

4 Show the location of the element in the building Section 10 given at the end. Attach this page with answer paper

- (1) Plinth
- (2) Skirting
- (3) Drip mold
- (4) Sill
- (5) Stepped Footing
- (6) Coping
- (7) Vata
- (8) Jamb
- (9) Capping Stone
- (10) Cornice



- 5 Given isometric of two intersecting Sloping roof and identify 5 the terms shown as associated with the roof.



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