

**11103****Code : 15AR52**Register  
Number

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**V Semester Diploma Examination, April/May-2018****ESTIMATING AND COSTING – II****Time : 3 Hours ]****[ Max. Marks : 100****Note :** (i) Answer **all** parts.

(ii) Missing Data may suitably be assumed and clearly stated.

**PART – A**

1. Prepare the detailed estimate of quantities and abstract estimate of the cost for the following items of work for a residential building whose plan and sectional details are given in Fig. No. 1 of the accompanying sketch. **3 × 10 = 30**
- (a) AC sheet roofing (Excluding Truss Supports) **10**
- (b) Plastering using 1 : 6 cement mortar for Interior Wall surfaces. **10**

**OR**

Burnt Brick Masonry in CM 1 : 6 for super structure.

- (c) Mosaic flooring over a bare concrete of 1 : 4 : 8. **10**

**OR**

Wood work in Doors, Windows and Ventilators.

**PART – B**

2. Analyse from first principle the rate for the following items of work. **2 × 10 = 20**
- (a) Wooden single seater sofa using teak wood with cushions for seat and back rest. **10**
- (b) Aluminium partition using Glass and Prelaminated particle Board. **10**

**OR**

- (c) Double cot with mattress using plywood and decorative laminate. **10**

3. Prepare the detailed estimate of quantities and abstract estimate of the cost for interior furniture and furnishings for any two of the following units of a Residential Building whose plan with interior layout are given in Fig. No. 2 of the Accompanying sketch.  $2 \times 10 = 20$

- (i) Living : Single seater and thee seater Sofa, Teapoy 10
- (ii) Bed Room : Double cot with mattress using plywood and decorative laminate, Dressing unit 10
- (iii) Dining : Teak wood dining table of Glass Top with chairs crockery cabinet. 10

4. Estimate the quantity of wood for a double leaf with following component details :

$$1 \times 10 = 10$$

Size of the door – 1100 mm × 2100 mm

Frame : 100 mm × 750 mm

Styles : 100 mm × 35 mm

Top Rail : 200 mm × 35 mm

Bottom Rail : 250 mm × 35 mm

Lock Rail : 150 mm × 35 mm

Freeze rail : 150 mm × 35 mm

Panel : 25 mm thick

Rebet – 12 mm

5. Prepare cost estimation of repair and renovation work for the following items of work of a residential building whose plan and other details are given in Fig. No. 2 of the accompanying sketch.  $2 \times 10 = 20$

- (a) Dismantling of existing Red oxide flooring and providing newly mosaic flooring. 10
  - (b) Scraping and removing of old paint for interior wall surfaces and providing plastic emulsion paint two coats over a coat of primer. 10
  - (c) Chipping and removing of external old plaster for walls and providing newly cement sand plaster of 1 : 6 proportion. 10
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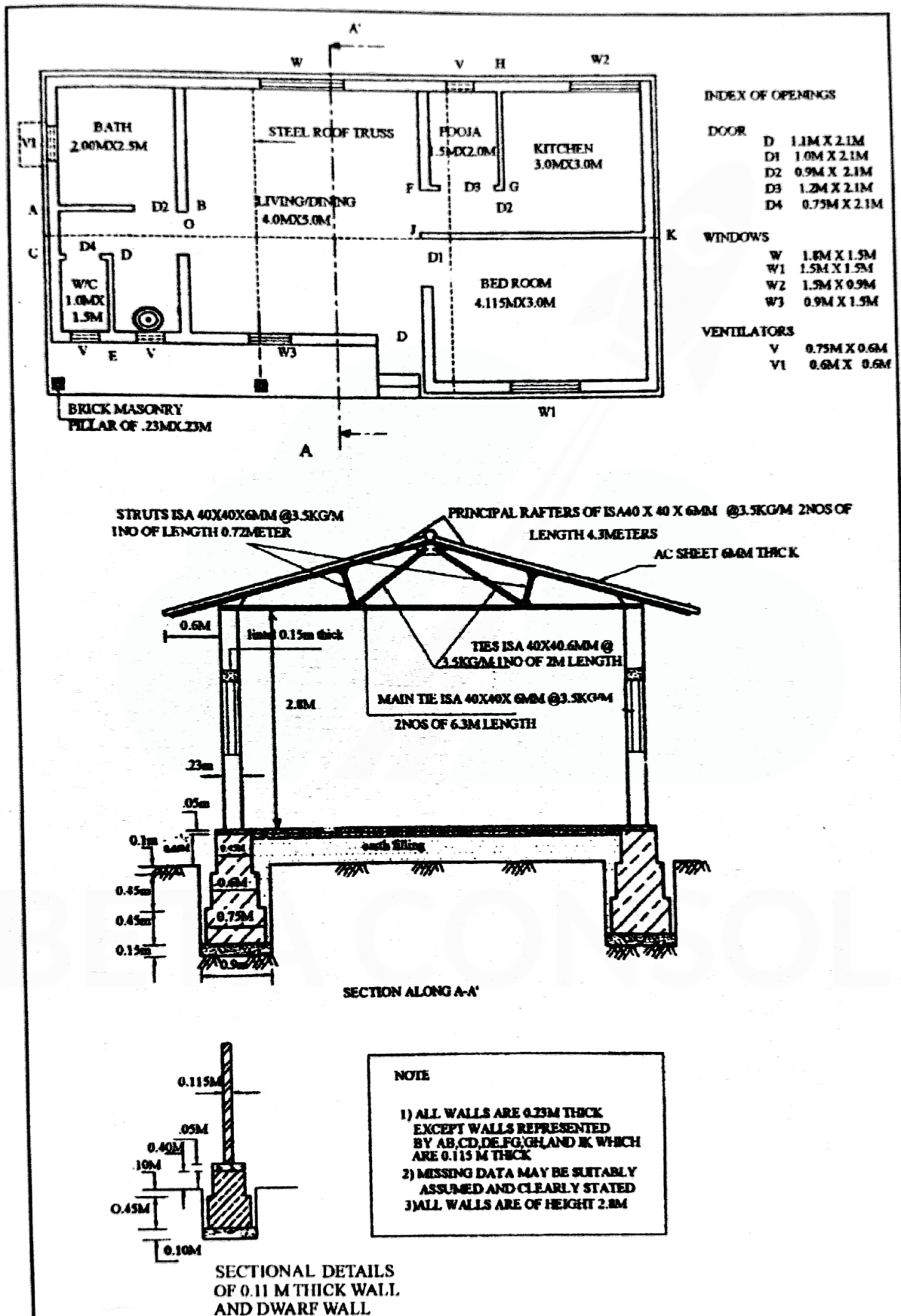


Figure - 1

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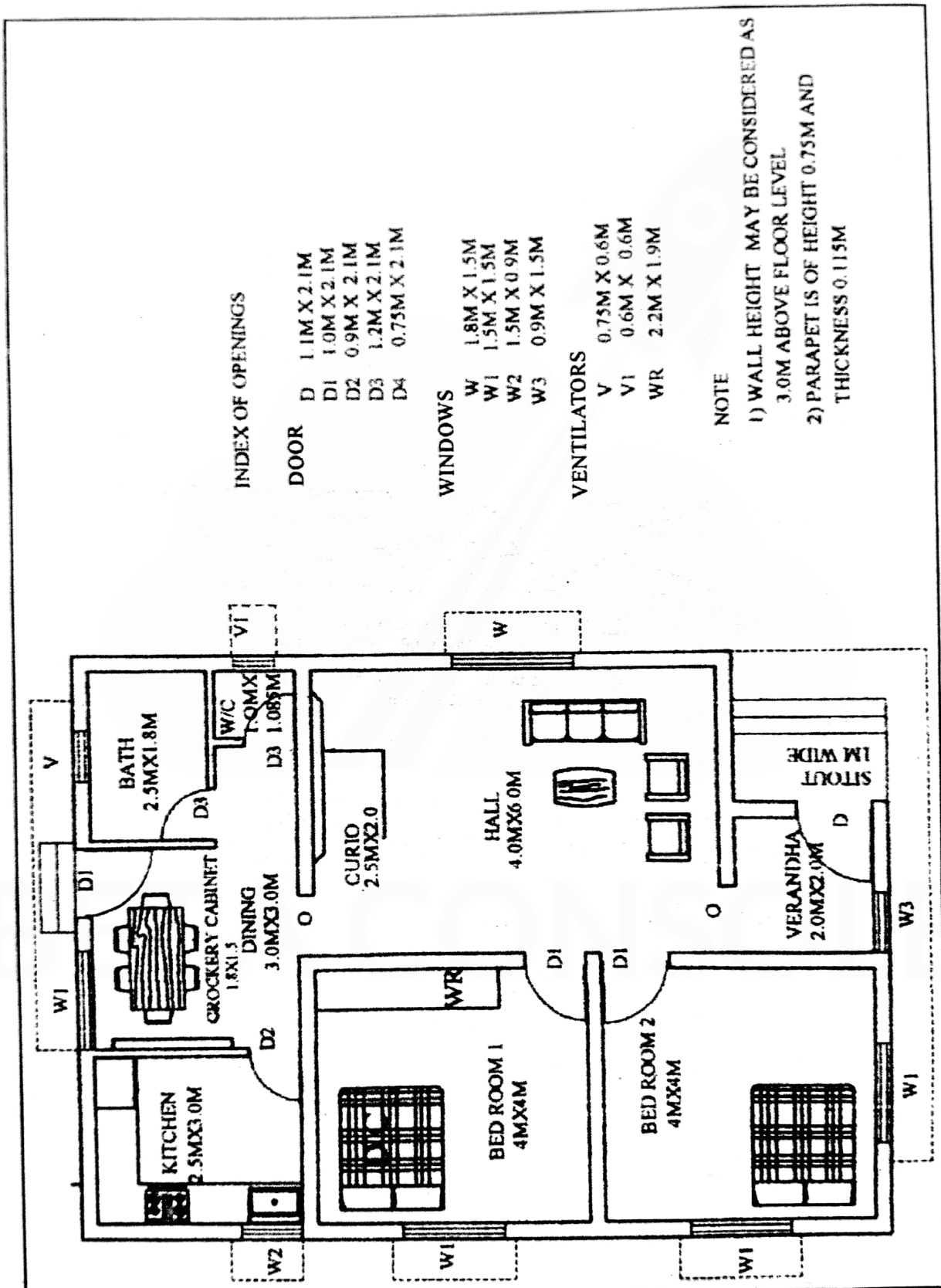


Figure - 2