

1108

Code : 15AR52T

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V Semester Diploma Examination, Nov./Dec. 2018

Estimating and Costing II

Time : 3 Hours]

[Max. Marks : 100

- Note : (i) Answer all parts.
(ii) Missing data may be suitably assumed and clearly stated.

PART – A

1. Prepare the detailed estimate of quantities and abstract estimate of the cost for the following items of a residential building whose plan and sectional details are given in fig. no. 1 of the accompanying sketch. 3 × 10 = 30
- (a) Mangalore tiled roofing with teak wood battens. 10
- (b) Interior wall painting using plastic emulsion paint two coats over a coat of primer. 10

OR

Plastering using 1:6 CM for exterior wall surfaces.

- (c) Painting using enamel paint for doors and windows. 10

OR

Brick masonry in super-structure using 1:6 CM.

PART – B

2. Analyse from first principle the rates for the following items of work. 2 × 10 = 20
- (a) False ceiling using Gypsum board with GE sections. 10
- (b) Ward robe using 19 mm block board pre-laminated both sides. 10

OR

Curio unit using plywood and decorative laminate.

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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 along with interior layout are given in fig. no. 2 of the accompanying sketch.

 $2 \times 10 = 20$

- (I) Living – Two sector sofa and three sector sofa, cario unit. 10
- (II) Bed room : Double coat with mattress and study table. 10
- (III) Kitchen : Storage cabinet below the platform and cooking range. 10

4. Estimate the quantity of wood for a fully glazed window with mullion whose component details are as follows : 10

Size of the window : 1.0 m \times 1.5 m

Frame : 100 mm \times 75 mm

Styles : 75 mm \times 30 mm

Top Rail : 100 mm \times 30 mm

Bottom Rail : 75 mm \times 30 mm

Sash bar : 40 mm \times 30 mm

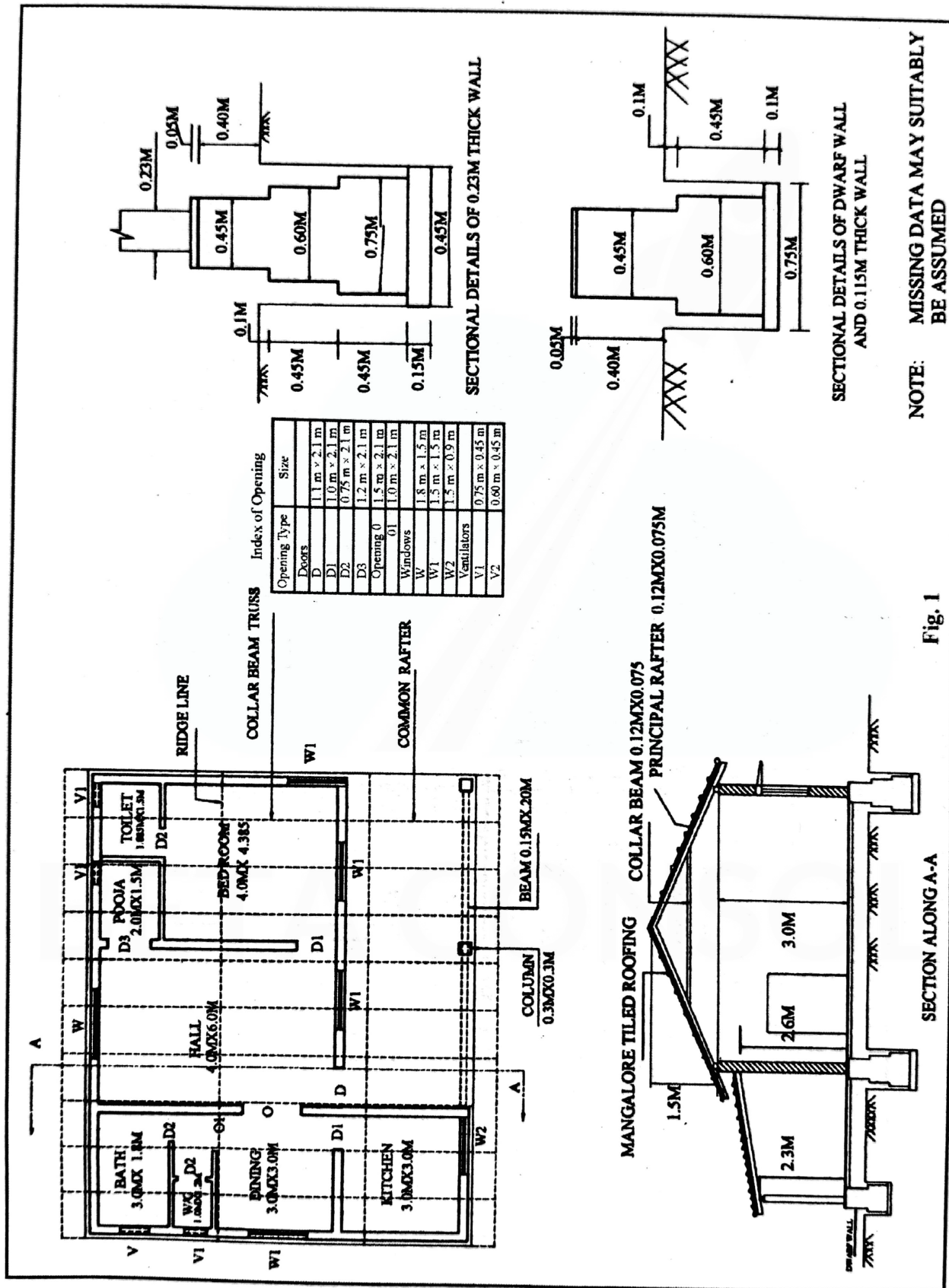
Rebet : 12 mm

5. Prepare cost estimation of repair and renovation work for the following items of work of a residential building whole plan and sectional details are given in fig. no. 2 of the accompanying sketch. $2 \times 10 = 20$

- (a) Chipping and removing of interior plaster of lime mortar and providing newly concrete, sand, plaster of 1:6 mix. 10
- (b) Dismantling of existing rusted steel doors, windows and ventilator and providing newly teak wood doors, windows and ventilators. 10

OR

Chipping and removing of plaster on wall surfaces in w/c and bath providing newly glazed ceramic tiles dadoing for a height of 2.1 mts.



NOTE: MISSING DATA MAY SUITABLY BE ASSUMED

Fig. 1

