



Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, April/May 2012  
(2008 Scheme)**

**08.804 : QUANTITY SURVEYING AND VALUATION (C)**

Time : 3 Hours

Max. Marks : 100

**Instruction :** Answer *all* questions. Assume any missing data suitably.

**PART – A**

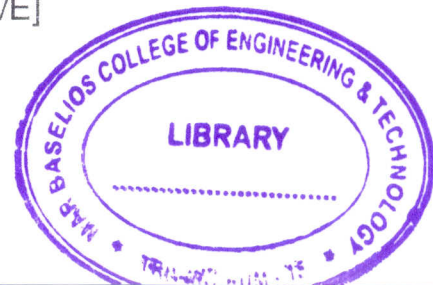
- I. a) How is detailed estimate different from preliminary estimate ?
- b) Explain the use of data book and schedule of rates.
- c) Explain what do you mean by valuation of a property and how does it differ from the cost ?
- d) What is depreciation ? List the methods of calculating depreciation. **(4×5=20 Marks)**

**PART – B**

- II. a) Write down the detailed specification wood work for frames of doors and windows. **5**
- b) Work out the unit rate for roofing with M.P. tile of 320 mm or nearest available size. [For 10m<sup>2</sup>, M.P. tile – 145 Nos. @ Rs. 6,000/1,000 Nos., Mason – 0.35 @ Rs. 450/E, Man – 0.35 @ Rs. 350/E] **10**

**OR**

- III. a) Write down the detailed specification for Random Rubble masonry in cement mortar 1 : 6 for foundation. **5**
- b) Workout the unit rate for P.C.C. 1 : 3 : 6, using 40 mm broken stone. [For 1 m<sup>3</sup>, 0.95 m<sup>3</sup> 40 mm broken stone @ Rs. 1,100/m<sup>3</sup>, 0.48 m<sup>3</sup> sand @ Rs. 1,200/m<sup>3</sup>, 228 kg cement @ Rs. 5,000/t, 0.1 mason @ Rs. 450/E, 1.0 man @ Rs. 350/E and 1.4 woman @ Rs. 325/E] **10**



P.T.O.



- IV. Estimate the quantities and prepare the abstract of estimate of the following item of a building shown in Fig. 1. (Assume prevailing market rates)
- i) P.C.C. 1 : 4 : 8 for foundation
  - ii) Brick work for super structure
  - iii) Wood work for frames of doors and windows
  - iv) Plastering with C.M. 1 : 4, 12 mm thick for walls
  - v) Painting for doors and windows. 50

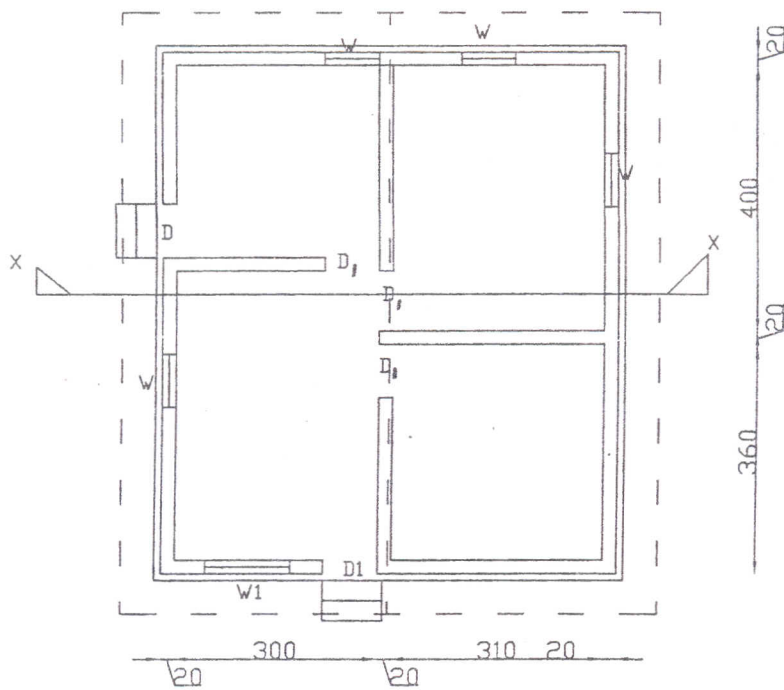
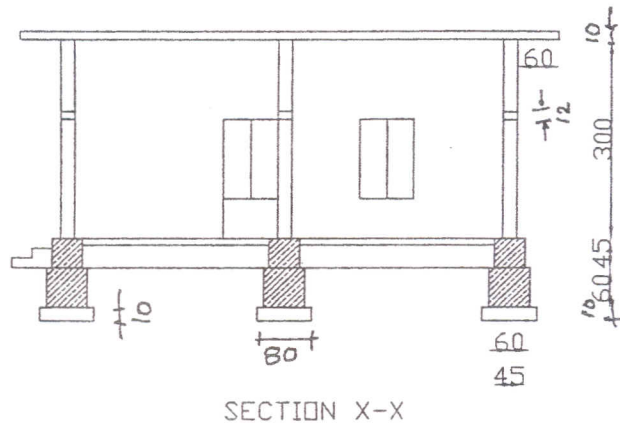
OR

- V. a) Prepare a bar bending schedule and quantities of RCC and reinforcement of a simply supported beam of length 6.5 m, depth 50 cm and width 30 cm reinforced with 3 Nos. of 20 mm dia at bottom as straight bar, 2 Nos. of 20 mm dia : cranked at  $45^\circ$ , 2 Nos. 16  $\phi$  at top of beam and 8 mm  $\phi$  2 legged stirrups @ 15 cm/c. 30
- b) Calculate the quantity of earth work in road embankment from chainage 0 to 90 m with the following data :
- |                      |   |        |      |      |      |
|----------------------|---|--------|------|------|------|
| Chainage             | : | 0      | 30   | 60   | 90   |
| Height of embankment | : | 2.41 m | 2.91 | 1.01 | 1.09 |
- Formation width = 10 m and slope in banking = 2 : 1. 20
- VI. a) What is outgoing ? Explain the various outgoings. 7
- b) Write short note on :
- i) Bookvalue
  - ii) Year's purchase 8

OR

- VII. A Govt. accommodation is built at the cost of Rs. 6,00,000/-. The water supply, sanitary and electrical installation expenditure is Rs. 1,50,000/- calculate the standard rent of the building if the following rate of return are fixed (i) 6% on construction cost (ii) 1.5% towards maintenance of building work (iii) 4.5% on installation expenditure (iv) 4% on maintenance of installation (v) Rs. 1,200/- as property tax per year (vi) cost of land is to be neglected. 15





JOINERY DETAILS	
ITEM	SIZE
D	100 x 200
D1	90 x 200
W	120 x 140
W1	160 x 140

PLAN

Q.No. IV Fig. - I

