



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, May 2013
(2008 Scheme)**

08.804 : QUANTITY SURVEYING & VALUATION (C)

Time : 3 Hours

Max. Marks : 100

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

PART – A

- I. a) What do you understand by an approximate estimate and what purpose does it serve ?
b) What is schedule of rates ?
c) What is Market value and Book value ?
d) What is sinking fund ? How will you calculate sinking fund. **(4x5=20 Marks)**

PART – B

- II. a) Write down the detailed specification of R.C.C. for root slab. **5**
b) Work out unit rate for R.R. masonry for foundation in cement & mortar 1 : 6 [for 1m³, rubble 1m³ @ Rs. 600/m³, river sand 0.3m³ @ Rs. 1,200/m³, cement 72 kg @ Rs. 5,000/t, mason – 0.7/m³ @ Rs. 450/E, man – 0.35/m³ @ 350/E and woman – 0.7/m³ @ Rs. 325/E] **10**

OR

- III. a) Write down the detailed specification of roofing with A.C. Sheet. **5**
b) Work out the unit rate for P.C.C. 1 : 4 : 8 using 40 mm broken stone. [For 1m³ – 40 mm broken stone 0.95 m³ @ Rs. 1,100/m³, river sand 0.48 m³ @ Rs. 1,200/m³, cement – 171 kg @ Rs. 5,000/t, mason 0.1 @ Rs. 450/E, Man – 1.0 @ Rs. 350/E, and woman 1.4 @ Rs. 325/E]. **10**

P.T.O.



IV. Estimate the quantities of the following items for a building shown in Fig. 1.

- i) Earth work excavation for foundation
- ii) R.C.C. for lintel, sunshade and roof slab
- iii) Plastering of walls
- iv) Wood work for frames of doors and windows.
- v) Flooring with cement plastering over C : C 1 : 4 : 8, 75 mm thick. 50

OR

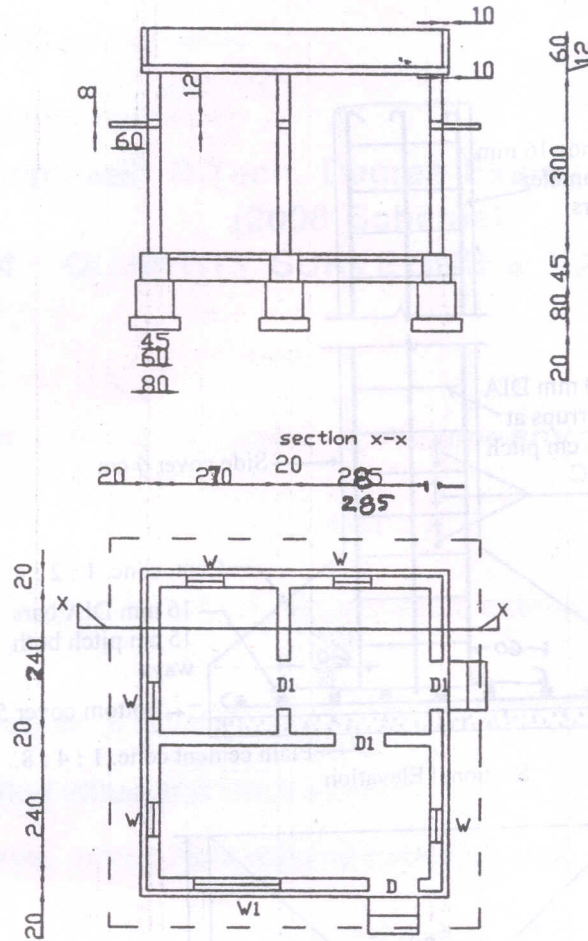
V. Prepare a bar bending schedule and calculate the various materials required for casting a column and footing shown in Fig. 2. 50

VI. a) What is depreciation ? Explain the various method for calculating depreciation. 8

b) Explain in detail the method of fixation of standard rent of buildings. 7

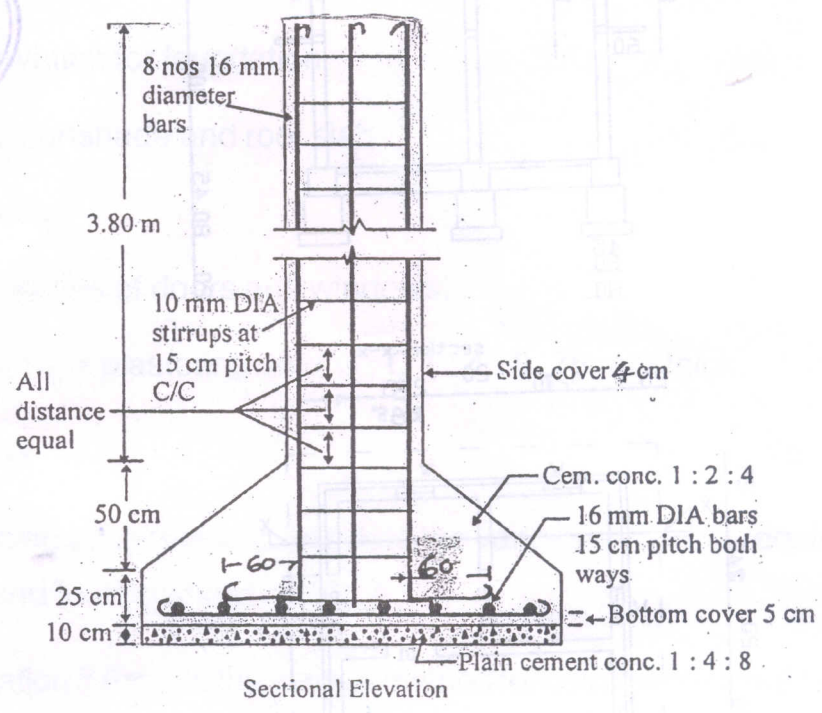
OR

VII. A three-storied building is standing on a plot of land measuring 800 m². The plinth area of each storey is 400 m². The building is of R.C.C. framed structure and the future life may be taken as 70 years. The building fetches rent of Rs. 15,000/- per month. Work out the capitalized value of the property on the basis of 6% net yield. For sinking fund 3% compound interest may be assumed. Cost of land may be taken Rs. 400/m². Other data required for working out the outgoings per annum be assumed suitably. 15

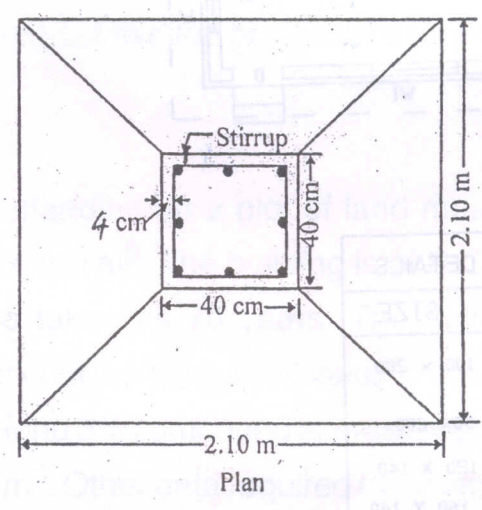


JOINERY DETAILS	
ITEM	SIZE
D	100 x 200
D1	90x 200
W	120 X 140
W1	160 X 140

Fig. 1



Sectional Elevation



Plan

Fig. 2