

**B. Tech Degree VIII Semester (Supplementary) Examination
September 2006**

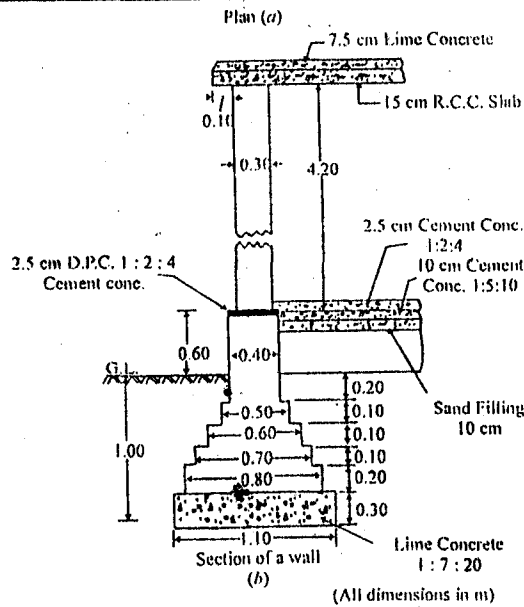
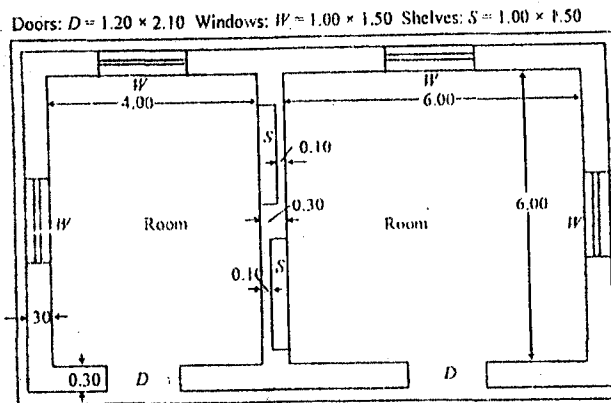
**CE 801 A/B QUANTITY SURVEYING AND VALUATION
(2002 Admissions)**

Time : 3 Hours

Maximum Marks : 100

(Any missing data may be assumed suitably)

I. Estimate the quantities of the following items of a residential building shown in figure.

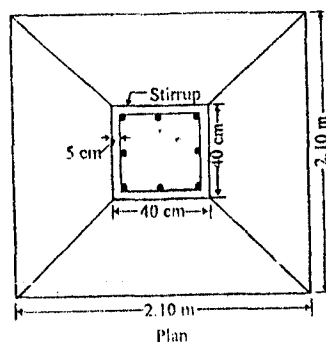
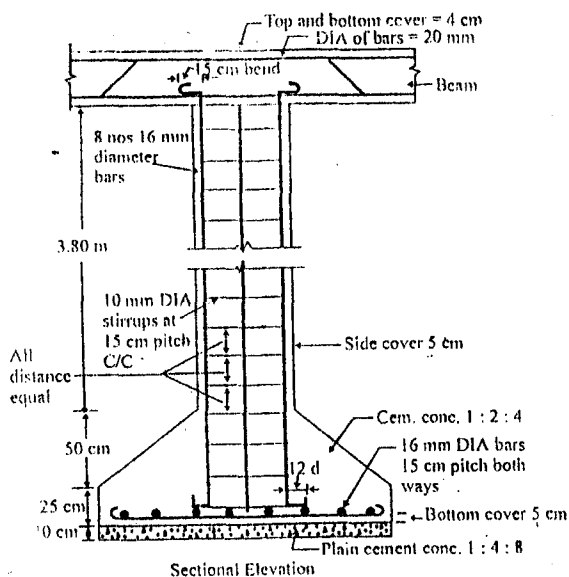


- (i) Earthwork excavation in foundation
- (ii) Lime concrete in foundation
- (iii) 1st class brick work in cm 1:4 up to plinth
- (iv) First class brick work in super structure (1:6) (40)

OR

II. Work out the quantities of steel in a R.C.C column shown in figure. (40)

(Turn Over)



- III. (a) What is specification? What are the different types?
 (b) Write down the specification for Ist Class BW in superstructure
 (c) Write down the specification for RCC 1:1 ½ :3
 (d) Write down the specification for earth work excavation. (20)

OR

- IV. Calculate the materials required for the following item per m³ :
 (i) Cement concrete 1:2:4
 (ii) Ist class BW in superstructure with 1:3 lime Surkhi mortar. (20)

- V. Explain the following :
 (i) Outgoings (ii) Sinking fund
 (iii) Year of purchase (iv) Depreciation. (20)

OR

- VI. A property has been purchased by a person at a cost of Rs. 50,000/- excluding the cost of land. Determine the amount of sinking fund annually deposited at the rate of 5% compound interest. Assume the future life of the building as 30 years and scrap value of the building materials as 10% of the cost of purchase. (20)

- VII. A building in a city is let out @ Rs.5000/- P.M. The total outgoings of the property is estimated to be 15% of the gross income. Calculate the capitalized value of the property if the present rate of interest is 8% and life of the property is 50 years. (20)

OR

- VIII. A building whose plinth area is 800 sq.m was constructed 10 years ago having the cost of land as Rs. 40,000/-. Find the capitalized value allowing for depreciation etc. In case this building needs immediate repair of Rs. 30000/-. What is the net value of the building. Take the present cost of construction per sq.m as Rs. 750/-. The rate of interest 6% for depreciation and further life of building 50 years. (20)
