

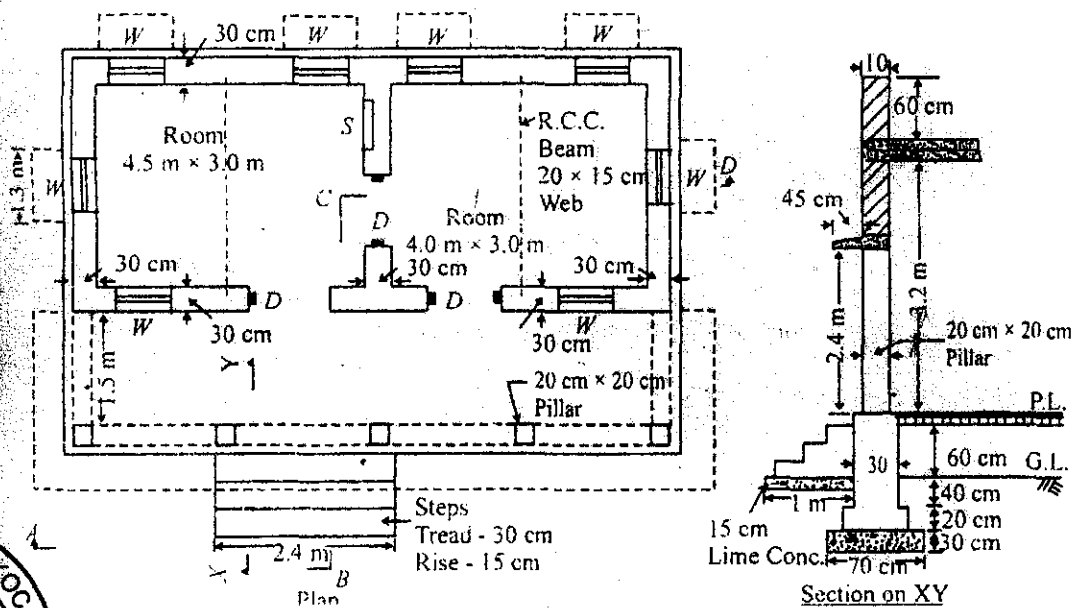
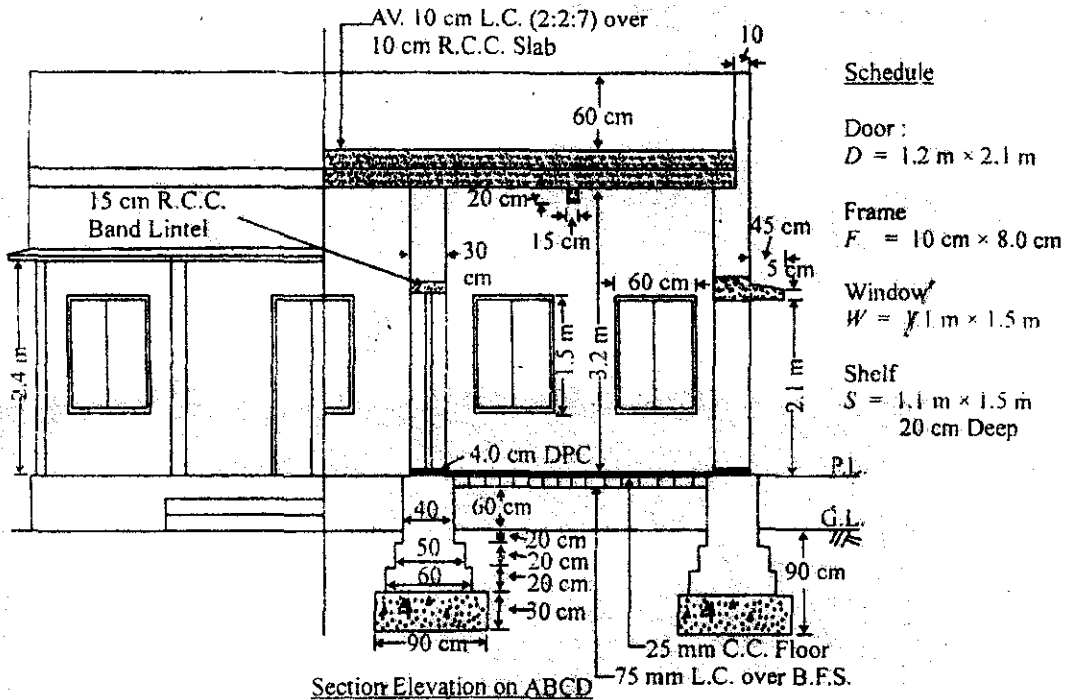
B. Tech Degree VIII Semester Examination, April 2009

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

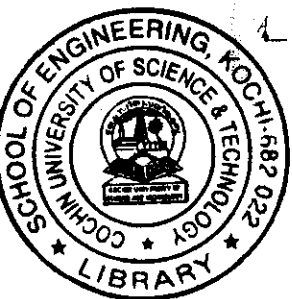
Time : 3 Hours

Maximum Marks : 100

- I. Estimate the quantities of the following item of work of the building where plan and section are given in the figure. (40)



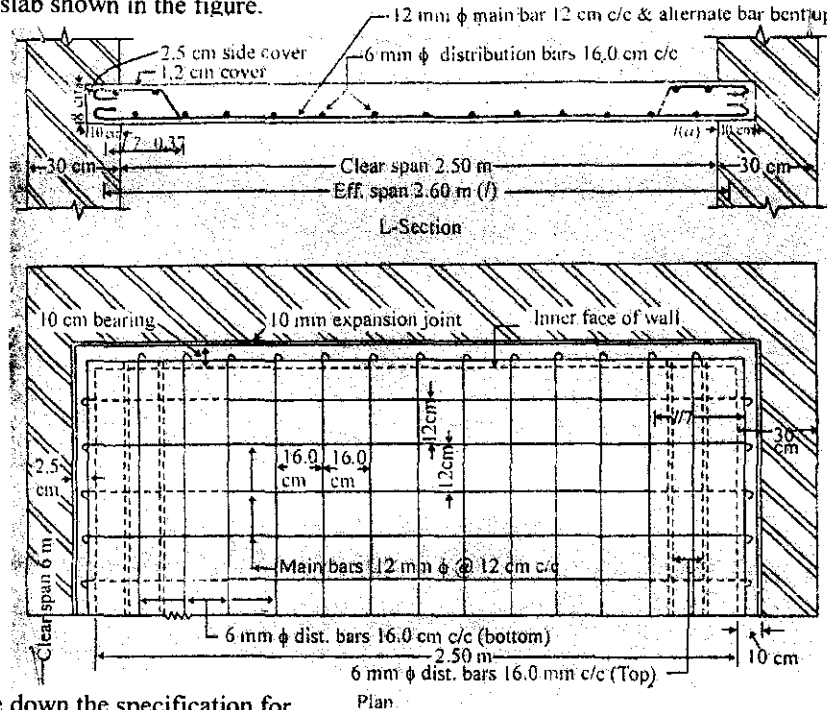
(Turn Over)



- (i) Earth work excavation in foundation
- (ii) First class brick work (1 : 4) in foundation and plinth.
- (iii) First class brick work (1:6) in Super structure.
- (iv) 6 mm thick cement plaster 1 : 3 for ceiling.

OR

- II. Calculate the quantity of cement concrete and prepare a bar bending schedule for the roof slab shown in the figure. (40)



- III. Write down the specification for
- (i) Painting doors and windows
 - (ii) DPC 1 : 2 : 4 - 2.5 cm to 4 cm thick
 - (iii) Reinforced cement concrete
 - (iv) Plastering cement mortar

OR

- IV. Calculate the materials required for
- (i) Brick masonry for super structure in cement mortar 1 : 6
 - (ii) Cement concrete 1 : 2 : 4 with 40 mm broken stone
- V. (a) Define the following :
- (i) Book value
 - (ii) Market value
 - (iii) Annuity
 - (iv) Capitalized value

- (b) The sinking fund amount of a property is estimated to Rs.50,000/- whose future life is 20 years. Find the yearly installment of sinking fund which should be set aside at the rate of 5%. (10)

OR

- VI. (a) Define depreciation. List the different methods of calculating depreciation. Explain any one method in detail. (10)
- (b) A property fetches a net annual income of Rs.900.00 deducting all outgoings. Work out the capitalized value of the property if the rate of interest is 6% per annum. (10)
- VII. (a) Explain the need for valuation. (5)
- (b) Explain the terms
- (i) Outgoings
 - (ii) Gross rent
 - (iii) Net rent
- (5 x 3 = 15)

OR

- VIII. A colonizer intends to purchase a land of 100000 sq.m area located in the suburb of a big city to develop it into plots of 700 sq.m each after providing necessary roads, ports and other amenities. The current sale price of small plots in the neighborhood is Rs.30.00/sq.m. The colonizer needs a profit of 20%. Work out the maximum price of the land at which he may purchase the land. (20)