B. Tech Degree VIII Semester Examination, April 2010

CE 801 A/B QUANTITY SURVEYING AND VALUATION
(2002 Scheme)
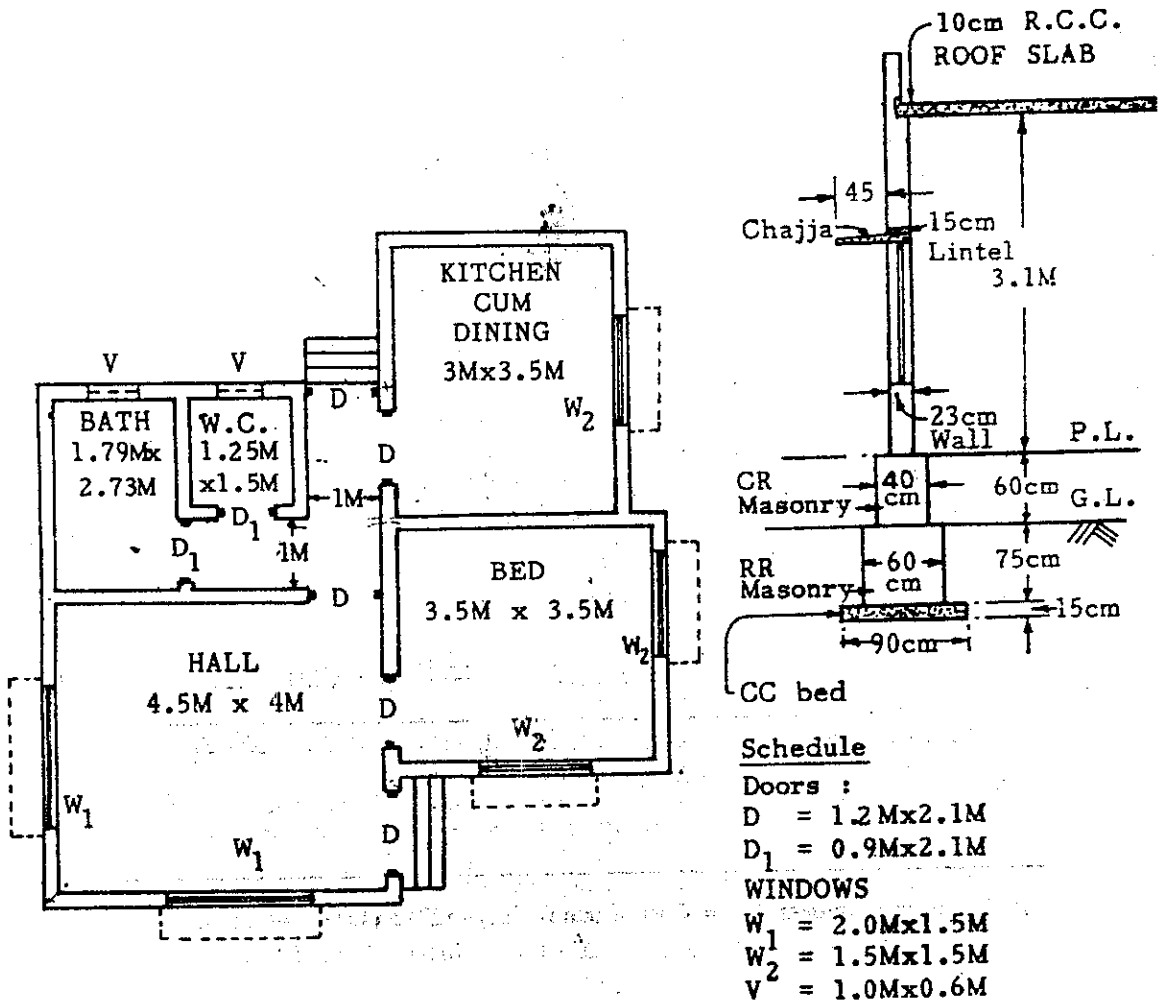
Time : 3 Hours   Maximum Marks : 100
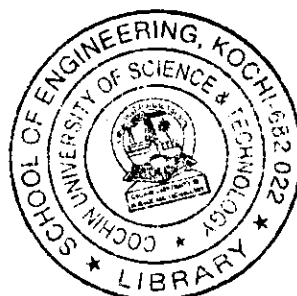
I.   Estimate the quantities of the following items of work of the building whose
            plan and section shown in figure :
            (i)   Earth work excavation in foundation
            (ii)   C.R. masonry in C.M. (1:6) in basement
            (iii)   Laterite in C.M. (1:5) in super structure
            (iv)   R.C.C. 1:2:4.   (40)

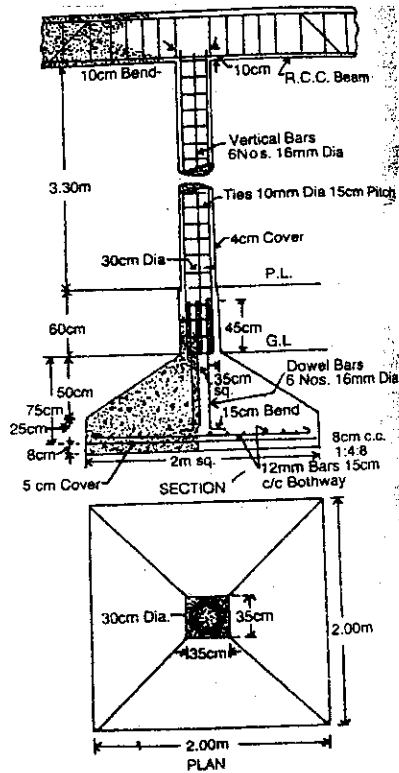OR   (Turn Over)

II. Draw the bar bending schedule and calculate the quantity of steel used for the R.C.C. column with foundation footing shown in figure. (40)

III. Write down the specification for
  (i) Cement Concrete   (ii) Damp proof course 2.5 cm in C.C 1:1½ :3
  (iii) Wood work for doors and windows   (iv) White washing. (20)

OR

IV. Prepare the rate for the following items :
  (i) Cement Concrete 1:4:8 with graded stone ballast 40 mm down in foundation
  (ii) Brick work in C.M 1:6 for superstructure
  (iii) 12 mm thick Cement Plastering 1:6 on new brick work. (20)

V. (a) Explain the different purposes of valuation. (3)
  (b) Define :
  (i) Market value (ii) Book value (iii) Salvage value (iv) Scrap value. (12)
  (c) Work out the value of year's purchase for an old building if its future life is 15 years and the rate of interest is 7% on capital and 4% for sinking fund. (5)

OR

VI. A concrete mixer was purchased at Rs. 8000. Assuming salvage value to be Rs. 1000 after 5 years calculate the depreciation for each year adopting (i) Straight line method (ii) Constant percentage method. (20)

VII. (a) Explain the various aspects of valuation of land and building. (10)
  (b) Enumerate the various methods of valuation of building. Explain any one method in detail. (10)

OR

VIII. An owner has decided to sell his vacant property with a 30 year old single storied building having a total plinth area of 110 sq.m. The cost of land is Rs. 30,000/- as compared with the adjoining areas. There is no comparable instance of letting value available in the locality but the present plinth area rate to construct such a building has been determined from current sale price which is Rs. 550 per sq.m. What should be the sale price of the property having a total life of 80 years and when the rate of annual sinking fund interest is 5%? (20)

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