

C 15846

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Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, MAY 2011**

CE 04 801—QUANTITY SURVEYING AND VALUATION

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

1. (a) Explain the terms site Plan and Lay-out Plan.
- (b) Write a brief notes on "Bar Bending Schedule".
- (c) Calculate the rough cost estimate for a I Class building having Plinth area 500 sq.m Make necessary addition of public health and electric services.
- (d) Explain service unit method and Typical bay method.
- (e) Write a specifications for the plastering in Cement mortar.
- (f) List out the items involved in the formation of rate.
- (g) Notify the details to estimate the sanitary and water supply works.
- (h) What are the various methods of Valuation.

(8 × 5 = 40 marks)

Part B

2. (a) From the figure-1, Calculate the detailed estimate of quantities, for :
 - (i) Earth work excavation for foundation.
 - (ii) Random rubble masonry in cm 1:6 for footing and basement.
 - (iii) Damp proof course in cm 1 : 3, 20 mm thick.

(30 marks)

Or

Turn over

(b) From the Figure-1, estimate the quantities of items of work :

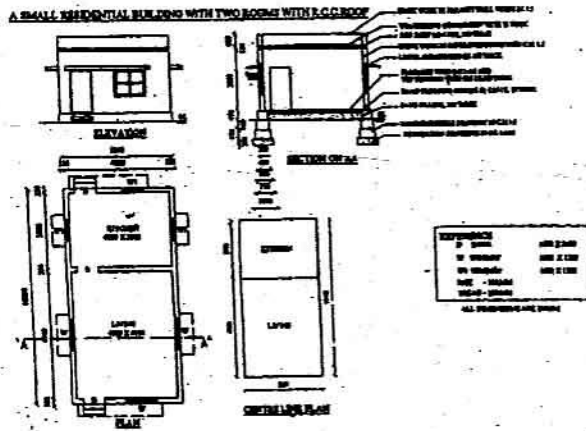


Figure-1

- (i) Brickwork in CM 1 : 5 for superstructure.
- (ii) RCC lintel for openings.
- (iii) Plastering with CM 1 : 5, 12 mm thick.

(30 marks)

3. (a) Prepare a detailed estimate of doors and windows for the building given in figure-1.

(10 marks)

Or

(b) Write a detailed specifications for the following items : —

- (i) RCC columns with M25 concrete and Fe 415 steel.
- (ii) First class brick work for super structure.

(10 marks)

4. (a) Write down the steps taken into consideration for preparing detailed analysis of rates.

(10 marks)

Or

(b) Prepare the data and furnish the rates for the following item of works : —

- (i) RCC sunshade 54 mm thick rate per sq.m.
- (ii) Roofing with corrugated A.C. Sheets rate per 10 sq.m.

(10 marks)

5. (a) (i) State the factors which affect the value of a building.
- (ii) Explain the Abstractive method used for the valuation of land.

(10 marks)

Or

(b) The value of a building is Rs. 80,000/-. It is 30 years old and is in good condition. If the life of the structure is 100 years what is its present day value for acquisition ? Assuming rate of interest as 6%, calculate the standard sent on present day value of the above building.

(10 marks)