

**D 21783**

(Pages : 3)

Name.....

Reg. No.....

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

Civil Engineering

CE 04 801—QUANTITY SURVEYING AND VALUATION

(2004 Admissions)

Time : Three Hours

Maximum : 100 marks

*Answer all the questions.*

1. (a) Differentiate between Revised Estimate and Supplementary Estimate.
- (b) Define the terms : contingencies, and work charged Establishment.
- (c) State the importances and uses of specifications ?
- (d) Write short notes on units of measurement.
- (e) Explain plinth area estimate and Cubical content method.
- (f) Briefly analyse the term 'Schedule of Rates'
- (g) List the purposes of valuation of buildings.
- (h) Define the terms :
  - (i) Year's purchase.
  - (ii) Sinking fund.
  - (iii) Scrap value.

(8 × 5 = 40 marks)

2. (a) For a given Figure - 1 (on page 2) by group system take and record the quantities in the standard dimension paper.

**Turn over**

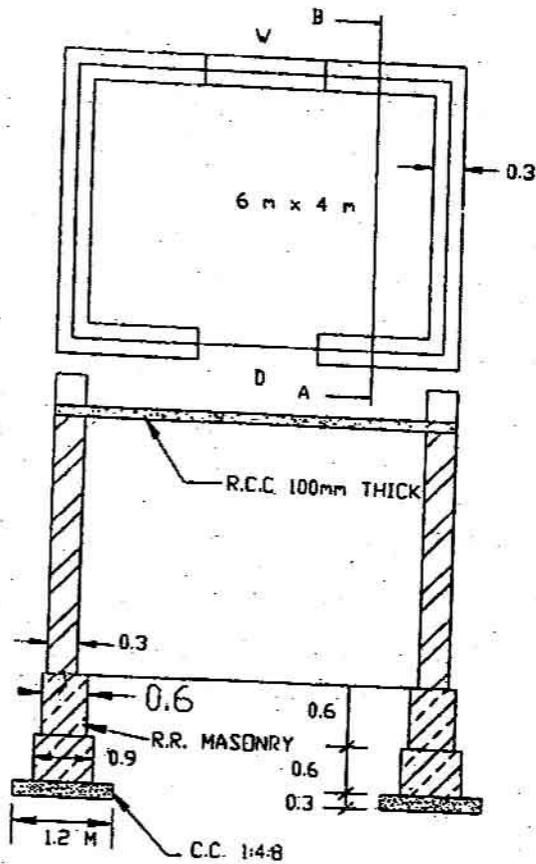


Fig. 1

(30 marks)

Or

- (b) Explain with an example, the centre line method and long wall-short wall methods of estimation.
3. (a) An RCC slab is to be provided over a room 5.50 x 3.50 m. Work out the material required. Design and Data given in the Figure 2.

(30 marks)

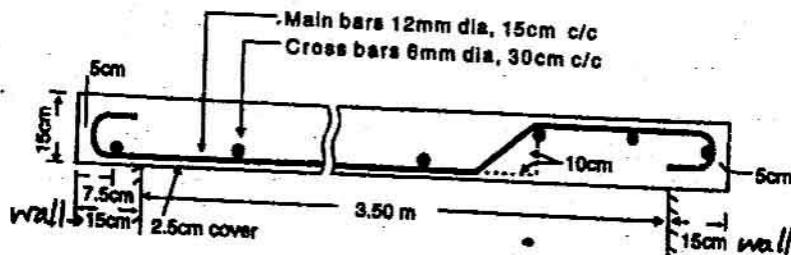


Fig. 2

Or

(10 marks)

- (b) Write a brief notes on detailed specification of Roads. (10 marks)
4. (a) (i) Write a detailed specifications for brick work using I class bricks.  
(ii) Write a detailed specifications for colour washing.

(10 marks)

*Or*

- (b) (i) What is the purpose of Conveyance statement, and mention the preparation of the same.  
(ii) Analyse the rates of 1 cub.m of RCC (1 : 2 : 4) slab reinforced with M.S. bars upto 90 kg./cub.m. of cement concrete including centring and shuttering laid in position, complete in all respects. Assume suitable market rates.

(10 marks)

5. (a) Analyse and compare different methods of valuations of a property. (10 marks)

*Or*

- (b) A residential building constructed 10 years ago is situated on a plot whose total area is 360 sq. m. The plinth area of the building is 200 sq. m. The present cost of construction of the building is Rs. 1,10,000. The cost of land is Rs. 70 per sq.m. The rate of depreciation for the value of the building is 1 %. Calculate the total value of the property.

(10 marks)