

L1B
23/11/13 FN

Reg. No. :

Question Paper Code : 31216

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Civil Engineering

CE 2402/CE 1401/CE 72/10111 CE 702 – ESTIMATION AND QUANTITY SURVEYING

(Common to PTCE 2402- Estimation and Quantity Surveying for B.E. (Part-Time) Fifth Semester Civil Engineering-Regulation 2009)

(Regulation 2008/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the different types of Approximate Estimate?
2. What is mean by Centre line method?
3. Define Soling?
4. State the Unit of measurement for Brickwork Ceiling Plastering.
5. Write Standard size of Batch Box (or) Farma.
6. What are the Qualifications of Contractor?
7. Define Sinking Fund, Capitalized value.
8. What are the various methods of depreciation?
9. What are the types of Leases?
10. What is Measurement Book?

PART B — (5 × 16 = 80 marks)

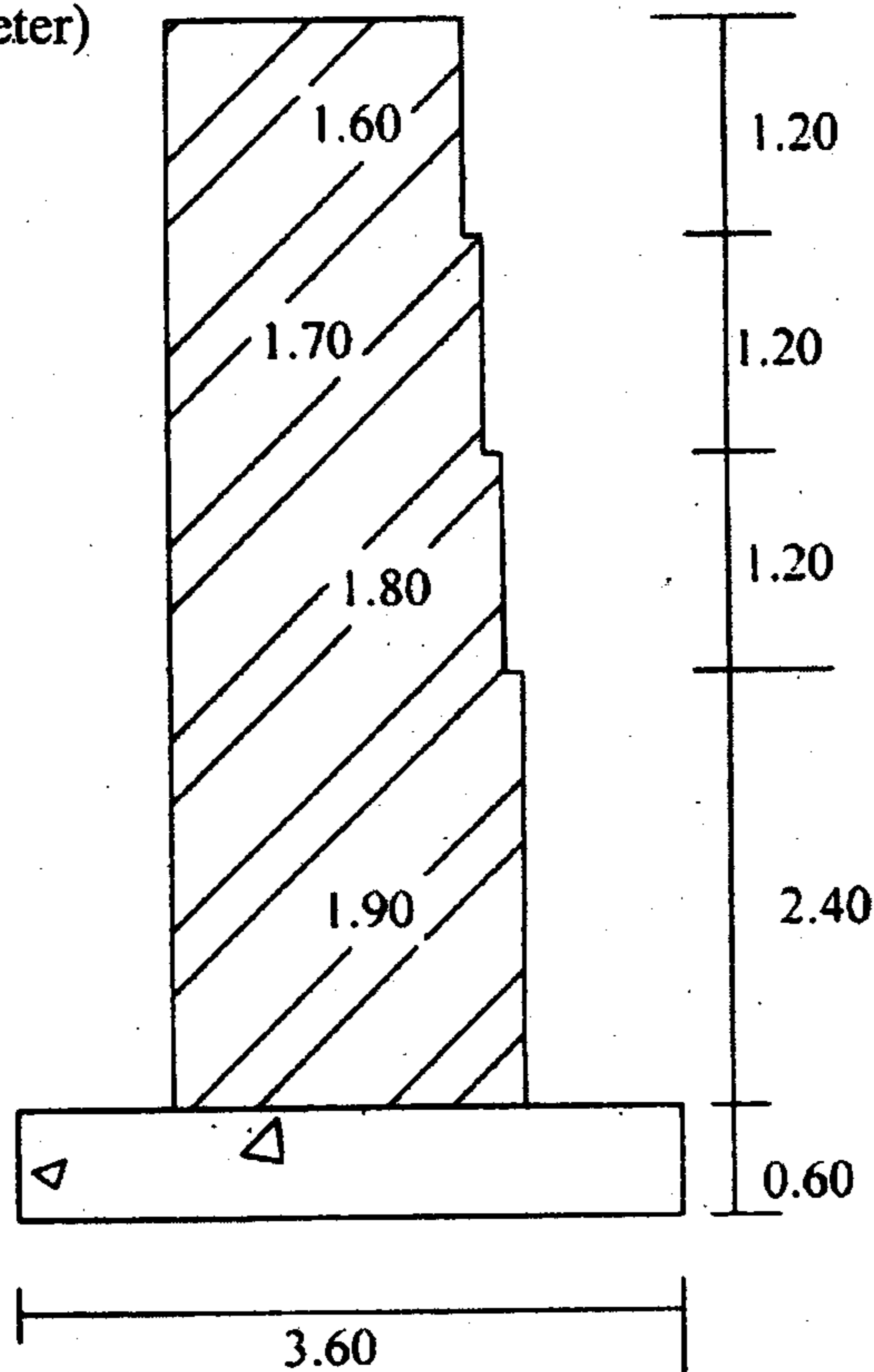
11. (a) Work out the quantities of materials required for the following works(8+8)
 - (i) First class Brick work in CM 1 : 5 : -1m³
 - (ii) Plastering in CM 1 : 6, 12 mm thick -10m²
- Or
- (b) (i) Describe the different types of Estimate. (8+8)
 - (ii) Explain the methods used to find the approximate cost of the building.

(b) Prepare the detailed estimate of quantities for the following items for a 100 m length of Retaining wall shown in fig .2 (16)

- (i) Brickwork in CM 1:4.
- (ii) Plain cement concrete 1:4:8.
- (iii) Number of Bricks.
- (iv) Number of Cement bags.

Fig 2. Retaining wall

(All dimensions are in meter)



13. (a) Write down detailed Specifications of the following (16)

- (i) Cement concrete in foundation.
- (ii) Plastering in cement mortar 1:6.

Or

- (b) (i) Explain the Sequential procedure of opening of Tenders. (8)
- (ii) Discuss about three forms of Contractors. (8)

14. (a) A Owner occupied property is required to be valued for the wealth tax purpose on land and building. The following particulars are available. Find the present value of the property. (16)

Value of the land = Rs.4,00,000.00

Cost of the building to put up such a building at present = Rs. 10,00,000.

Age of the building = 40 Year

Estimate cost of repairs = Rs. 50,000.00

Depreciation to be allowed for the building = 0.75% per annum.

Or

- (b) (i) Explain different forms of value (8+8)
(ii) Discuss about a Freehold property.
15. (a) (i) Write a report to accompanying an Estimate for a Village water supply scheme.
(ii) Explain in detail how you will work out Standard rent of a Government building. (8+8)

Or

- (b) What are the points to be considered in the report writing and explain the Residential building report?