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Question Paper Code: 36012

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Sixth Semester

Civil Engineering

01UCE602 - ESTIMATION, COSTING AND VALUATION ENGINEERING

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. List the data required for the preparation of estimate.
2. What is preliminary Estimate?
3. What do you mean by analysis of rates.
4. What is meant by standard schedule of rates?
5. What is meant by specifications of an item of work?
6. Why and when the security deposit is collected?
7. Write the essentials requirements of contract.
8. What is arbitration?
9. Differentiate between market value and book value.
10. Define the Capitalized value.

PART - B (5 x 16 = 80 Marks)

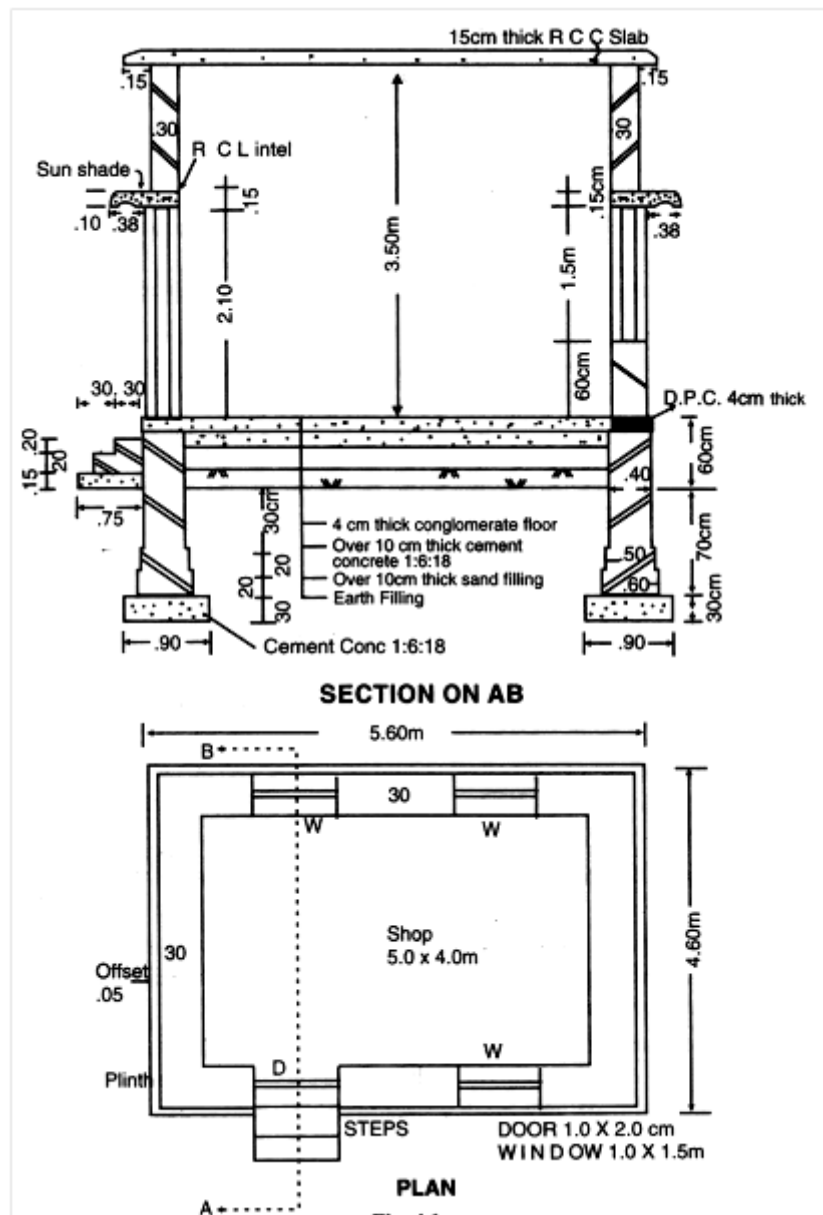
11. (a) What are the different types of estimate? Explain. (16)

Or

(b) Calculate the quantities of the following items from the given figure upto Plinth level., using centre line method.

- (i) Excavation for foundation
- (ii) Cement concrete in foundation.

(iii) Brick work in cement mortar (1:4) (16)



12. (a) Calculate the quantity of cement required in bags for the following items:

(1) B.M. in CM (1:3) for 15 cum of work using 0.2 m^3 of CM required for 1 m^3 of Brick work

(2) RCC (1:2:4) for 20 m^3 of work. (16)

Or

(b) What is schedule of rates? Explain. (16)

13. (a) What is meant by detailed specification? Give the detailed specification for brick masonry and plastering. (16)

Or

(b) Describe Tender notice and earnest money deposit. (16)

14. (a) What are the types of contract? Explain. (16)

Or

(b) Write the essentials requirements of contract. (16)

15. (a) What are the methods generally adopted for valuation of land and building? Describe about them. (16)

Or

(b) What are the important factors influencing the value of building? Explain. (16)
