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Question Paper Code: 31162

B.E. / B.Tech. DEGREE EXAMINATION, MAY 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. What are the methods of estimation?
2. What is preliminary Estimate?
3. Define rate analysis.
4. What is meant by standard schedule of rates?
5. What is specification?
6. Describe the lead and lift concept.
7. What is meant by contract?
8. What is arbitration?
9. Define valuation.
10. Define the Capitalized value.

PART - B (5 x 16 = 80 Marks)

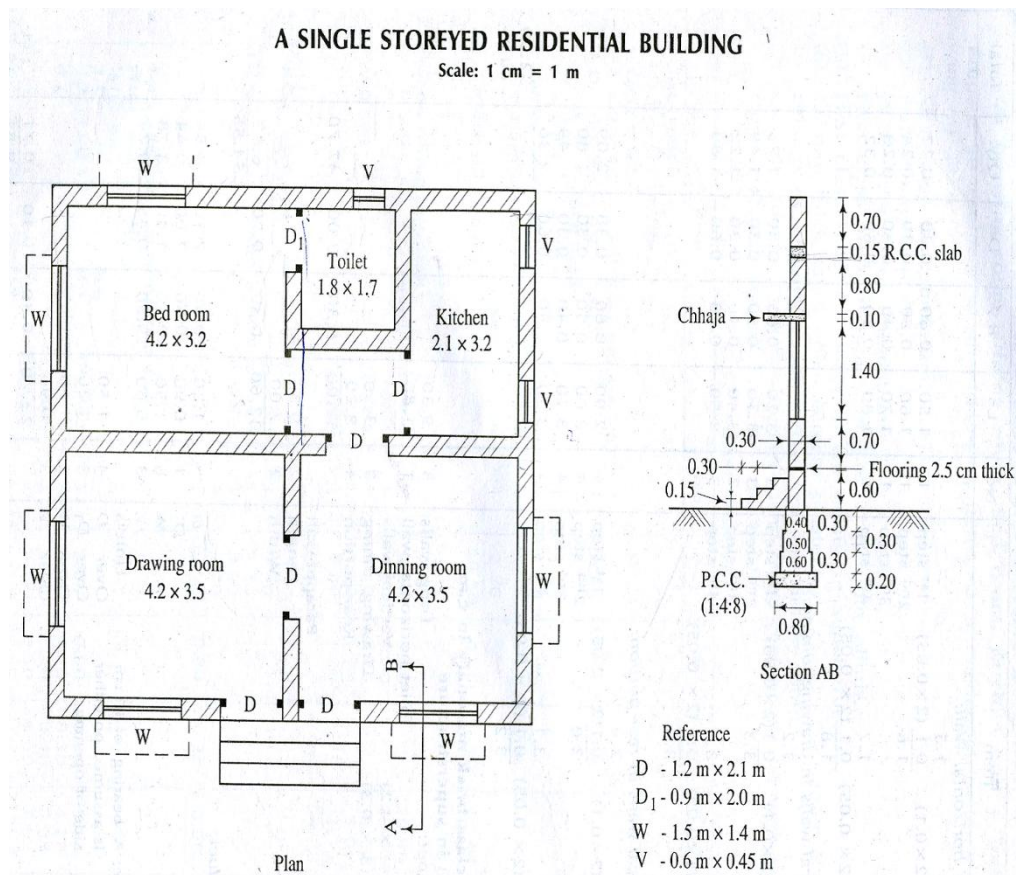
11. (a) List the types of estimate and briefly explain about any four of them. (16)

Or

(b) Estimate the quantities of the following items of work

- (i) Earth work excavation
- (ii) Sand filling in plinth
- (iii) PCC 1:4:8 in foundation
- (iv) First class brick work in CM 1:6 upto plinth

(16)



12. (a) Prepare unit rates for RCC 1:2:4 including materials and labour. (Hint: Dry concrete required for 1 m³ of hardened concrete = 1.52 m³, and Labour required for 1 m³ of hardened concrete; Mason 0.35 No., Men Mazdoor 1.2 No., Women Mazdoor 2.0 No., and Waterman 0.6 No.). Consider local rates of materials and labour at your place and find the unit rate. (16)

Or

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

13. (a) Write the detailed specification for RCC work proportion 1:2:4. (16)

Or

(b) Define tender notice. List the different types of tender notices and briefly explain about them. (16)

14. (a) List the types of contracts and briefly explain each one of them. (16)

Or

(b) (i) Write the essentials requirements of contract. (8)

(ii) What are the important legal implications of a contract? (8)

15. (a) What is the necessity of valuation? Explain the factors influencing the valuation. (16)

Or

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