

Dec-25-0276

CE-702 (Quantity Surveying and Valuation)

B.Tech. 7th (CBCS)

Time : 3 Hours

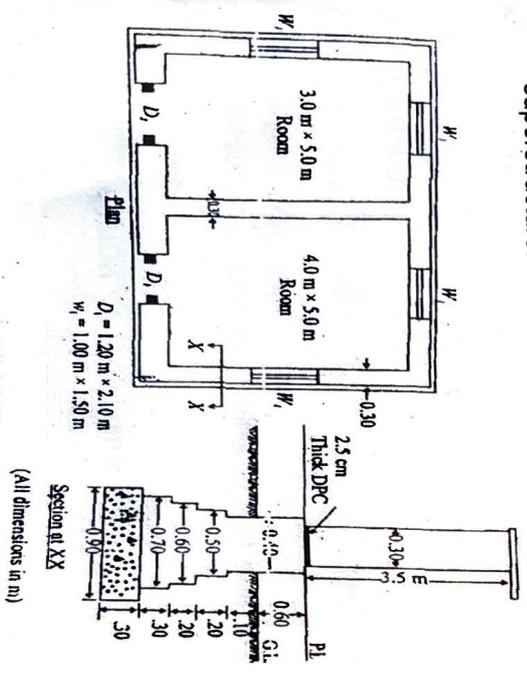
Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions selecting one question each from each section I, II, III and IV. Section V is Compulsory. Assume missing data suitably, if any.

SECTION - I

1. Estimate the quantities of the following items of two room building from the given plan and section shown in figure below.
 - (i) Earth work in excavation in foundation.
 - (ii) Lime concrete in foundation.
 - (iii) 1st class brick work in cement mortar (1:4) in foundation.
 - (iv) 2.5 cm cement concrete D.P.C. and
 - (v) 1st class brickwork in cement concrete mortar (1:6) in superstructure. (10)



(All dimensions in m)

2. (a) Briefly explain various types of estimates in detail. (5)
- (b) Explain in detail about sanitary fittings and its types and usages. (5)

SECTION - II

3. Define rate analysis and explain the factors affecting the rate analysis. Discuss its importance in construction projects. (10)
4. 75 mm thick cement concrete flooring (1:4:8) with brick ballast, unit-1 square meter. Consider 100 square meter of cement concrete flooring. Make suitable assumptions as required. (10)

SECTION - III

5. Write down the detailed specification of the following:
 - (i) Cement concrete in foundation
 - (ii) Plastering in cement mortar 1:6. (10)
6. (a) Write the important particulars in tender documents and describe about it. (6)
- (b) Demonstrate the processes "Opening and scrutiny of tender". (4)

SECTION - IV

7. (a) Explain in detail about various methods of Valuation. (6)
- (b) Define the procedure of fixing standard rent. (4)
8. Write short note on:
 - (a) Capitalized value
 - (b) Depreciation
 - (c) Salvage value
 - (d) Sinking fund (10)

SECTION - V (Compulsory)

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9. Answer the following:

- (i) What are the methods of estimate? Briefly explain about preliminary estimate.
- (ii) What are factors to be considered in design of septic tank?
- (iii) What is analysis of rates & its importance?
- (iv) Explain Gross income & net income.
- (v) List out the purpose and requirements of rate analysis.
- (vi) What is work-charged establishment?
- (vii) What are the different methods of valuation?
- (viii) What is scrap value & market value?
- (ix) What is a tender notice?
- (x) Why and when are the security deposits collected?
(10×2=20)