

- (d) Explain the importance of specifications.
- (e) Explain the term price and value of a property.
- (f) Define personal estate and lease hold property.
- (g) Discuss the procedure of determination of rent.
- (h) Explain the market value and book value.
- (i) What is Profit and Development method ?
- (j) Explain standard rent and how is it calculated ?

10×1.5=15

Roll No.

Total Pages : 04

J-21-0122

B. Tech. EXAMINATION, 2021

Semester VII (CBCS)

QUANTITY SURVEYING AND VALUATION

CE-702

Time : 2 Hours

Maximum Marks : 60

The candidates shall limit their answers precisely within 20 pages only (A4 size sheets/assignment sheets), no extra sheet allowed. The candidates should write only on one side of the page and the back side of the page should remain blank. Only blue ball pen is admissible.

Note : Attempt *Four* questions in all, selecting *one* question from any of the Sections A, B, C and D. Q. No. 9 is compulsory. Assume any missing data.

Section A

1. (a) Briefly elaborate and discuss the types of estimates.
- (b) Discuss the estimation of joineries for paneled and glazed doors. **2×7.5=15**

2. Calculate the quantity of cement, sand and coarse aggregates for concrete to be provided in a 4×6 m panel of slab having depth of 200 mm. The ratio of concrete used is 1:1.5:3. Assume the missing data. **15**

Section B

3. Briefly discuss the procedure for rate analysis and elaborate the advantages of rate analysis in construction. Explain the analysis of rates for color washing and different paint items and Carving works. **15**
4. Prepare the analysis of rates for earth work for 100 m length for a portion of a road in a uniform ground, the heights of banks at the two ends being 1.15 m and 1.35 m. The formation width is 7.5 m and side slopes 2:1, assuming suitable rates. Assume that there is no transverse slope. **15**

Section C

5. Discuss the purpose and importance of specifications. Elaborate the specifications for brick masonry and concreting. **15**

6. (a) Explain briefly the reasons, in which the contract can be terminated.
- (b) Explain how pre-tender planning is done ? What are different formalities, which are to be completed ? **2×7.5=15**

Section D

7. What are the various methods of valuation ? An owner of a Bungalow carried out certain additions, alterations and improvements to make the Bungalow attractive, which method will be adopted to value it. **15**
8. (a) Discuss the straight line method of calculating the depreciation.
- (b) Explain the Belting method of valuation of landed properties. **2×7.5=15**

(Compulsory Question)

9. (a) Define long-wall and short-wall method of estimation.
- (b) List various sanitary installations to be estimated.
- (c) Elaborate the specifications of rate analysis for flooring.