GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER–VII (NEW) EXAMINATION – WINTER 2020

Subject Code:2170610   **Date:30/01/2021**
Subject Name:Professional Practices & Valuation
Time:10:30 AM TO 12:30 PM   **Total Marks: 56**

Instructions:
1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

			MARKS
Q.1	**(a)**	Differentiate between Estimation & Valuation	03
	(b)	Write formulas for the following: (1) Area of Segment of Circle, (2) Area of ellipse, (3) Curved surface area of cylinder, (4) Volume of frustum of cone.	04
	(c)	For the following given figure 1, calculate the quantities of following items by centre line method. 1. Earth work in excavation in foundation. 2. Brick masonry work in foundation up to plinth in cm 1:6. 3. Brick masonry work above plinth up to slab level	07
Q.2	**(a)**	Write detailed specifications of Timber door and windows.	03
	(b)	Define specifications. What are the purposes of writing specifications?	04
	(c)	Explain with suitable example long wall- short wall method of preparing building estimate.	07
Q.3	**(a)**	Write short note on Schedule of rates (S.O.R).	03
	(b)	Enlist different types of tenders & explain anyone them	04
	(c)	Define tender and draft a typical tender notice for civil engineering works.	07
Q.4	**(a)**	Explain in detail various reasons for termination of contract.	03
	(b)	Write short note on Scrutiny of tender.	04
	(c)	List out different types of contract and explain any one in detail.	07
Q.5	**(a)**	Explain in detail: 1. Obsolescence, 2. Depreciation	03
	(b)	Enumerate and discuss various conditions of contract.	04
	(c)	How would you determine value of the property using rental method of valuation? Enumerate its advantages and limitations.	07
Q.6	**(a)**	Compare revised estimate and supplementary estimate.	03
	(b)	Provide the prevailing market rate of the following materials in your city: 20 mm diameter MS Bar, 53 grade Portland cement, 20 mm nominal size coarse aggregate, 1st class brick.	04
	(c)	Compute rate analysis for Cement Concrete (1:4:8) for foundation.	07
Q.7	**(a)**	Define the following terms: 1. Sentimental value 2. Distress value, 3. Accommodation value	03
	(b)	Describe the different methods of valuation.	04
	(c)	A motor cycle was purchased in RS.80, 000/- assuming its salvage value at the end of 6 years to be Rs. 20,000/-. Determine the amount of depreciation for each year by (i) Straight line method (ii) Constant percentage method. Consider i value as 8%.	07

Q.8 **(a)** Define rate analysis. List out various factors affecting the rate analysis. **03**
(b) List out different types of detailed estimate and explain any one of them. **04**
(c) Define the following terms: **07**
1. Scrap value 2. Scrap value 3. Cost 4. Salvage value
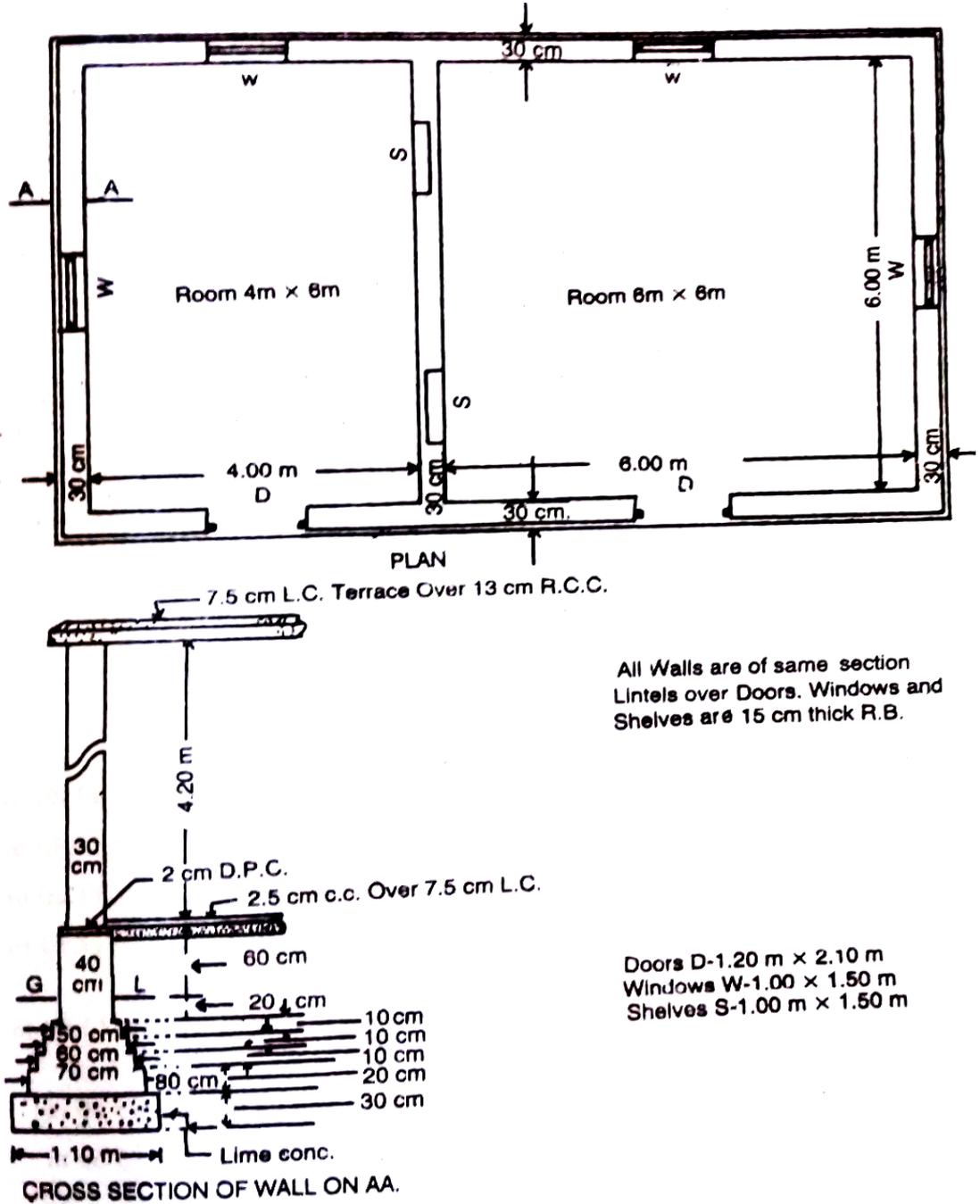5. Book Value 6. Free hold property 7. Lease hold property

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PLAN

All Walls are of same section
Lintels over Doors. Windows and
Shelves are 15 cm thick R.B.

Doors D-1.20 m × 2.10 m
Windows W-1.00 × 1.50 m
Shelves S-1.00 m × 1.50 m

CROSS SECTION OF WALL ON AA.

Figure: 1