

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (OLD) EXAMINATION – WINTER 2023****Subject Code:2170610****Date:01-12-2023****Subject Name: Professional Practices and Valuation****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

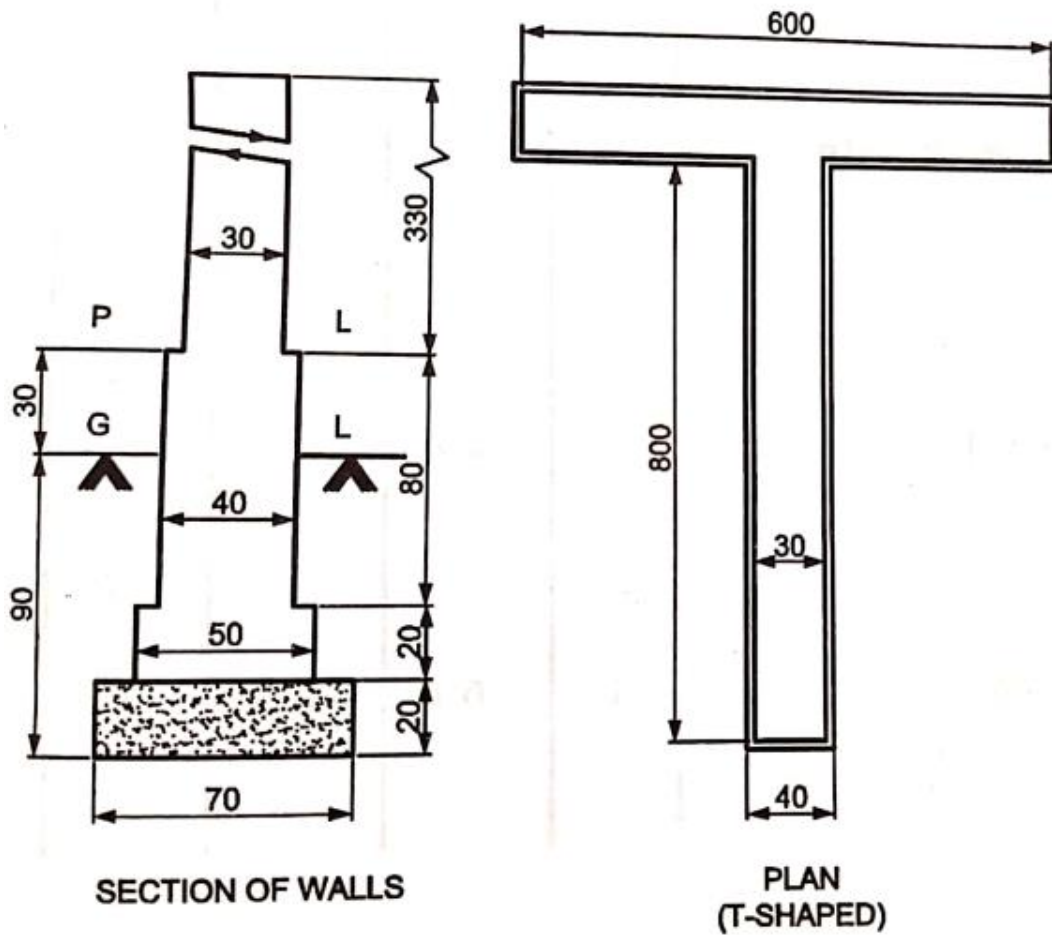
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Write the purposes of specifications.	03
	(b) Compare revised estimate and supplementary estimate	04
	(c) Calculate the quantities for T-Shaped masonry wall as shown in figure 01 . Use Long wall & short wall method.	07
	1) Earth work in excavation	
	2) P.C.C. (1:3:6) in foundation	
	3) First class brickwork up to plinth (1:6)	
	4) First class brickwork in superstructure (1:6)	
Q.2	(a) Discuss factor affecting the task work.	03
	(b) Define rate analysis. How to fixed rate per unit of item in rate analysis?	04
	(c) Compute rate analysis for Cement Concrete (1:4:8) for foundation.	07
	OR	
	(c) Explain with suitable example long wall- short wall method of preparing building estimate.	07
Q.3	(a) Discuss accuracy criteria for concrete.	03
	(b) State the situation under which the need of arbitrator arises?	04
	(c) Write detail specifications for Earthwork in excavation in foundation.	07
	OR	
Q.3	(a) Enlist points to be kept in mind while fixing the rent of a building.	03
	(b) Give difference between Earnest money Deposit and Security Deposit.	04
	(c) Explain in brief different types of contract.	07
Q.4	(a) List condition of contract.	03
	(b) Write short note on Schedule of rates (S.O.R).	04
	(c) A building fetches gross monthly income of Rs. 5000. All outgoings are 40% of the gross income. If rate of interest is 8% on capital and 4% on sinking fund, find capitalized value of the property. Take life of building as 40 years.	07
	OR	
Q.4	(a) Give difference between estimation and valuation.	03
	(b) Enlist different types of tenders & explain anyone them.	04
	(c) Explain in detail various factors affecting the rate analysis.	07
Q.5	(a) Explain : 1.Tender fee, 2. Earnest money deposition	03
	(b) Write short notes on: 1. Measurement book 2.Muster roll	04
	(c) Define the following terms: 1. Scrap value 2. Scrap value 3. Cost 4. Salvage value 5. Book Value 6. Free hold property 7. Lease hold property	07

OR

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|-----|---|----|
| Q.5 | (a) Write short note on rejection of tender. | 03 |
| | (b) Explain in brief about work charge establishment. | 04 |
| | (c) Discuss mode of payment to the contractor. How the first and final bill, running or interim bills are paid to contractor? | 07 |

figure 01.



All dimensions are in cm.