

GUJARAT TECHNOLOGICAL UNIVERSITY

BACHELOR OF ENGINEERING – SEMESTER 7 – EXAMINATION – SUMMER 2026

Subject Code: 2170610

Date: 20/05/2026

Subject Name: Professional Practices and Valuation

Time: 02:30 PM TO 05:00 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.

- Q.1**
- | | | |
|-----|--|----|
| (a) | What is an estimate? Why it is necessary to prepare? | 03 |
| (b) | Write a note on following. (1) Contingencies (2) Work Establishment Charge | 04 |
| (c) | For the given figure-1, compute the quantities of following items. (1) Earthwork in excavation (2) Cement concrete in foundation (3) Brick masonry work up to G.L in c.m. (1:6) (4) Back filling in foundation trench. | 07 |

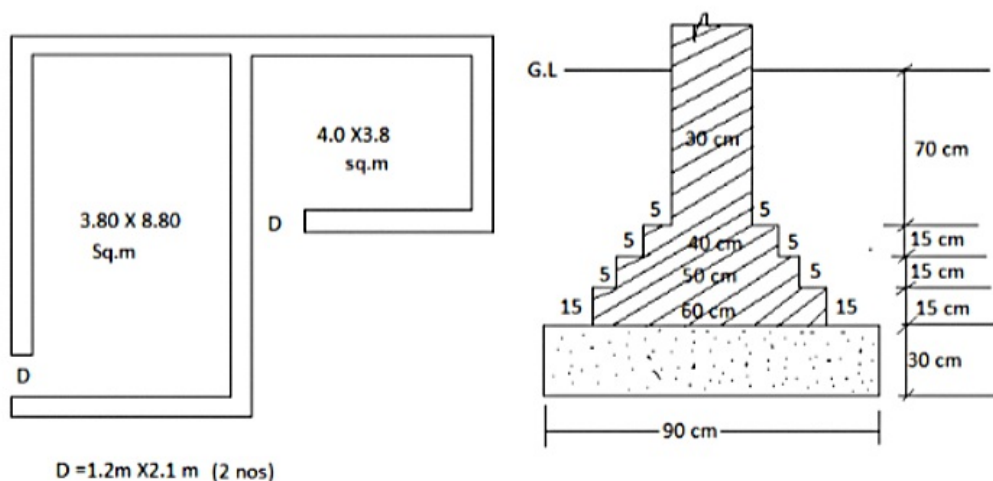


Figure-1

- Q.2**
- | | | |
|-----|--|----|
| (a) | In centre- line method how net line length is calculated? | 03 |
| (b) | Describe the factors affecting rate analysis of an item. | 04 |
| (c) | Find the quantity of Plaster for the plan shown in fig. no.1 | 07 |
- OR
- | | | |
|-----|--|----|
| (c) | Give the principles of writing specifications. | 07 |
|-----|--|----|
- Q.3**
- | | | |
|-----|---|----|
| (a) | Define the Following terms: (1) Agreement (2) Contract (3) Tender | 03 |
| (b) | Draft a typical tender notice for construction of Higher Secondary School building. | 04 |
| (c) | Differentiate between brief specifications and detailed specification. | 07 |
- OR
- | | | |
|-----|--|----|
| (a) | Write a note on Liquidated damages. | 03 |
| (b) | Explain in brief Earnest money deposit and security deposit. | 04 |

	(c) Work out rate analysis for 1st class brick Masonry work in cm (1:6) for super structure.	07
Q.4	(a) Calculate No. of bricks required for 1 cu.m brickworks.	03
	(b) Differentiate: Departmental Execution and Contract system.	04
	(c) Enlist various method of calculating depreciation and explain any one in detail.	07
	OR	
Q.4	(a) List the points to be covered in tender notice.	03
	(b) Write a specification for following items. (1) Timber doors and windows (2) removal of water from foundation	04
	(c) Explain in brief different types of contract.	07
Q.5	(a) Enlist various conditions of contract.	03
	(b) Write a note on : (1) Obsolescence (2) Depreciation	04
	(c) Explain various methods for valuation of a property.	07
	OR	
Q.5	(a) Define the terms (1) cost (2) Price (3) value	03
	(b) Write short notes on: 1. Termination of contract 2. Contractual disputes	04
	(c) Write short note on scrutiny of tender.	07
