

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2024

Subject Code:2170610

Date:19-11-2024

Subject Name: Professional Practices and Valuation

Time:10:30 AM TO 01:00 PM

Total Marks:70

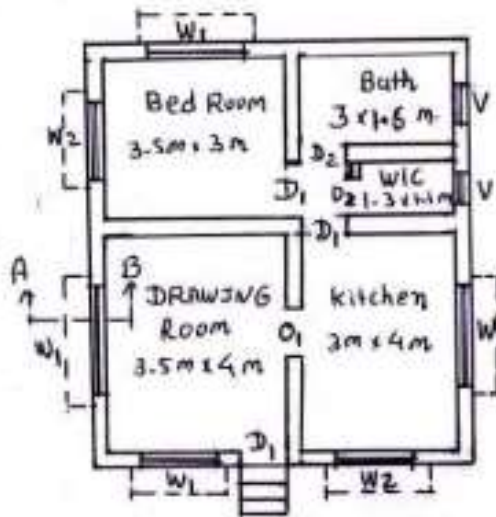
Instructions:

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) | Define following terms – Estimate, Contingencies, Valuation | 03 |
| | (b) | Calculate No. of cement bags required for 1 cu.m brick work in cement mortar 1:4. | 04 |
| | (c) | Enumerate and discuss various types of estimates. | 07 |
| Q.2 | (a) | Provide the Prevailing market rate of the following materials in your city:
53 grade Portland cement., 10 mm diameter MS Bar, Gully Trap | 03 |
| | (b) | Write short note on Schedule of rates (S.O.R) | 04 |
| | (c) | Write the detailed specification for the cement plaster in CM (1:6) on walls. | 07 |
| | | OR | |
| | (c) | Write a brief note on (1) Turnkey contract (2) Item rate contract | 07 |
| Q.3 | (a) | Calculate No. of bricks required for 1 cu. m. brick work. | 03 |
| | (b) | Define specification. What are the purpose of writing | 04 |
| | (c) | Enumerate and discuss various types of tenders | 07 |
| | | OR | |
| Q.3 | (a) | Discuss mode of payment to the contractor. | 03 |
| | (b) | Differentiate between Earnest Money Deposit & Security Deposit. | 04 |
| | (c) | Draft a tender notice for the construction of canal siphon costing Rs. 60 crore. | 07 |
| Q.4 | (a) | Write short note on scrutiny of tender | 03 |
| | (b) | State the situation under which the need of arbitrator arises? | 04 |
| | (c) | How would you determine value of the property using rental method of valuation?
Enumerate its advantages and limitations. | 07 |
| | | OR | |
| Q.4 | (a) | Write difference between: 'Depreciation and Obsolescence.' | 03 |
| | (b) | Explain percentage rate of contract. | 04 |
| | (c) | Discuss mode of payment to the contractor. | 07 |
| Q.5 | (a) | What do you mean by value? State the purposes of Valuation | 03 |
| | (b) | For the following given figure 1, calculate the quantity of smooth plaster inside the rooms and ceiling. | 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 |
| | | OR | |
| Q.5 | (a) | Define the following terms: Lease hold property, Free hold property, Scrap value | 03 |
| | (b) | Explain in brief about task work. | 04 |
| | (c) | Discuss various factors affecting rate analysis | 07 |

Fig:- 1



Note:-

All walls are 30 cm Thick

Door- window schedule:-

$D_1 = 1.2 \times 2.1 \text{ m}$

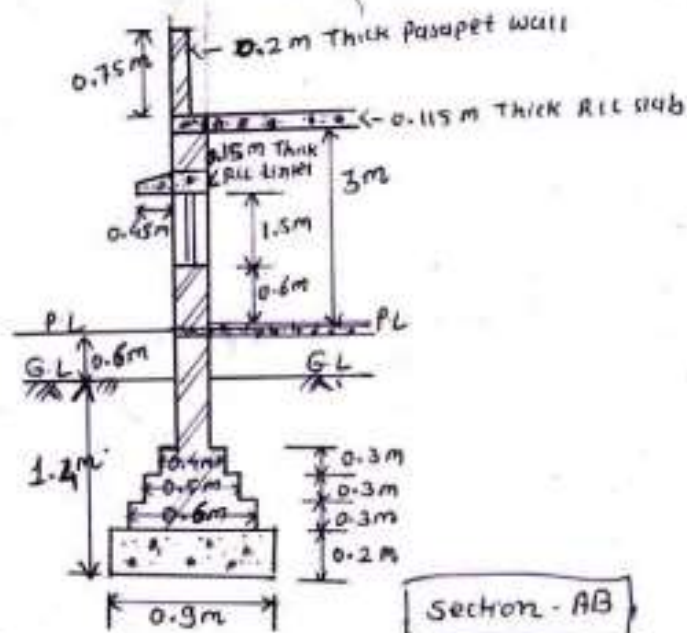
$D_2 = 1 \times 2.1 \text{ m}$

$O_1 = 1.2 \times 2.1 \text{ m}$

$W_1 = 1.5 \times 1.5 \text{ m}$

$W_2 = 1.2 \times 1.2 \text{ m}$

$V = 0.6 \times 0.6 \text{ m}$



Section - AB
