GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII(NEW) EXAMINATION – SUMMER 2019

Subject Code:2170610   **Date:27/05/2019**

Subject Name:Professional Practices & 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.**

Q.1 (a)	From the given plan and foundation details given in figure 1, Estimate the quantities of earthwork in excavation.	**(03)**
Q.1 (b)	From the given plan and foundation details given in figure 1, Estimate the quantities of Brick Masonry work in CM (1:6) in foundation up to plinth.	**(04)**
Q.1 (c)	Discuss in detail the importance and purposes of valuation.	**(07)**
Q.2 (a)	Write short note on acceptance of tender.	**(03)**
Q.2 (b)	What is tender? Explain in brief classification of tender.	**(04)**
Q.2 (c)	Explain in detail various factors affecting the rate analysis.	**(07)**

OR

Q.2 (c)	From the given plan and foundation details given in figure 1, Estimate the quantities of following. (1) Brick Masonry work in CM (1:6) in super structure up to slab level (2) R.C.C (1:2:4) for R.C.C slab, Band Lintel	**(07)**
Q.3 (a)	Explain in brief various data required for preparing a detailed estimate.	**(03)**
Q.3 (b)	Write short notes on following. (1) Contingencies (2) Work charged establishment charges	**(04)**
Q.3 (c)	Work out rate analysis for 1st class brick Masonry work in cm (1:6) for super structure.	**(07)**

OR

Q.3 (a)	Write short note on scrutiny of tender.	**(03)**
Q.3 (b)	Draft a typical tender notice for construction of Higher Secondary School building.	**(04)**
Q.3 (c)	Write a detailed specifications for the following. 1. First class brick work in cm (1:6) 2. Reinforced Cement Concrete (1:2:4)	**(07)**
Q.4 (a)	What is specification? What are the objectives of writing specifications?	**(03)**
Q.4 (b)	Discuss in brief essential principles of writing good specifications.	**(04)**
Q.4 (c)	A trapezoidal sloped square footing has top dimension 0.6 m X 0.6 m and the base dimensions 1.2 m X 1.2 m with height of 0.8 m. Determine volume of concrete required for footing. Also find out surface area of sides.	**(07)**

OR

Q.4 (a)	Explain in brief earnest money deposit and Security deposit.	**(03)**
Q.4\(b)	Explain in detail termination of contract.	**(04)**
Q.4 (c)	How the rent of the building is fixed? Explain in brief factors affecting the rent of a building.	**(07)**

Q.5 (a) Explain in detail item rate contract. **(03)**

Q.5 (b) A frustum of circular cone has radius 0.8 m. tip radius 0.4 m and height **(04)**
n1.5 m. Determine its volume and surface area.

Q.5 (c) Explain in detail essential requirements of a valid contract. **(07)**

OR

Q.5 (a) Explain in brief rental method of valuation. **(03)**

Q.5 (b) Explain the factors affecting the value of property. **(04)**

Q.5 (c) A scooter was purchased in Rs.60, 000. Assuming its salvage value at the **(07)**
end of 6 years to be Rs.15, 000. Determine the amount of depreciation for
each year by (1) Straight line method (2) Constant Percentage method.

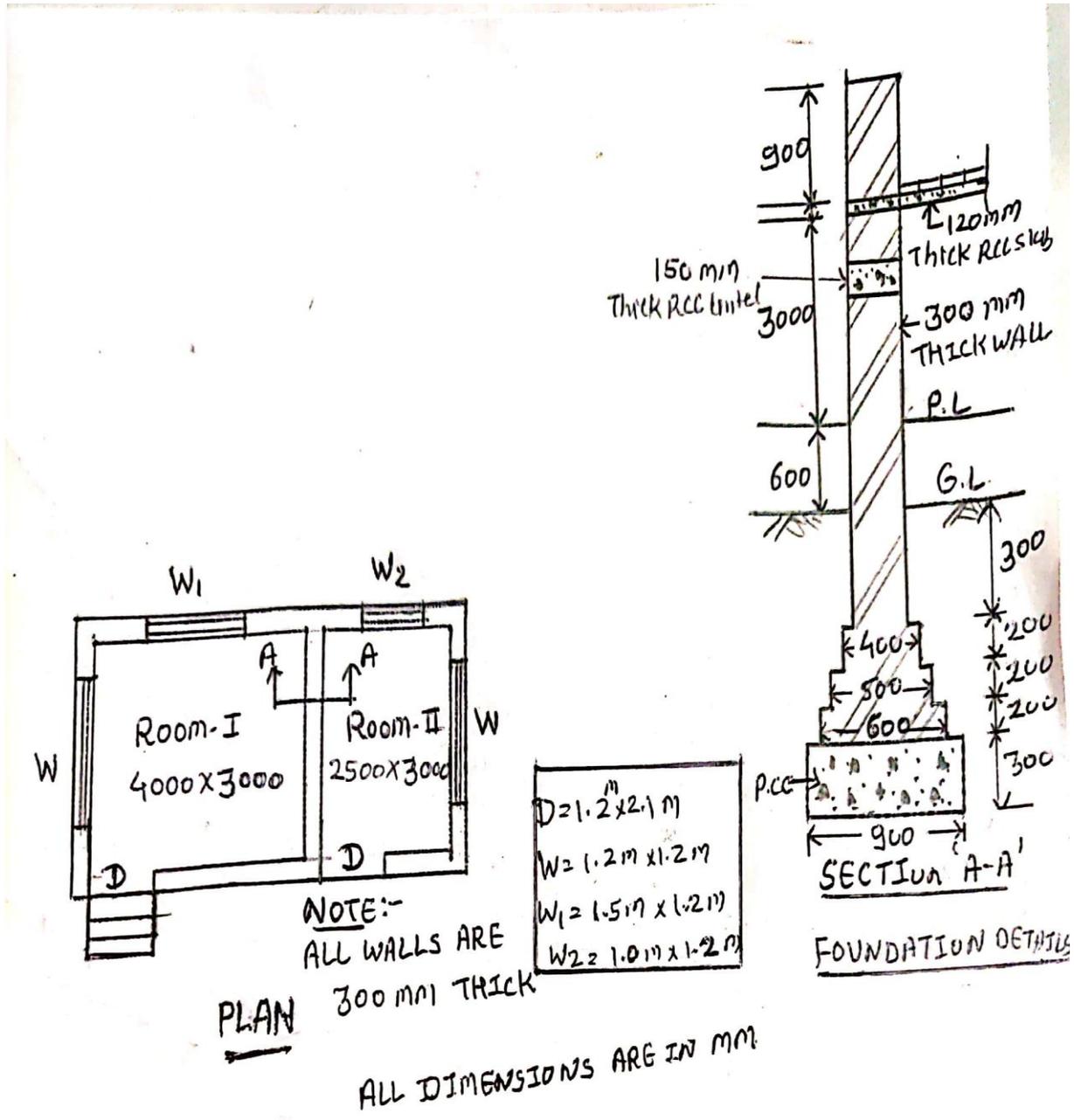Figure. 1

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