

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. **(07)**

(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

Q.3 (a) Explain in brief various data required for preparing a detailed estimate. **(03)**

Q.3 (b) Write short notes on following. **(04)**

(1) Contingencies (2) Work charged establishment charges

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. **(07)**

1. First class brick work in cm (1:6)

2. Reinforced Cement Concrete (1:2:4)

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 (b) A frustum of circular cone has radius 0.8 m. tip radius 0.4 m and height 1.5 m. Determine its volume and surface area. (04)

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 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. (07)

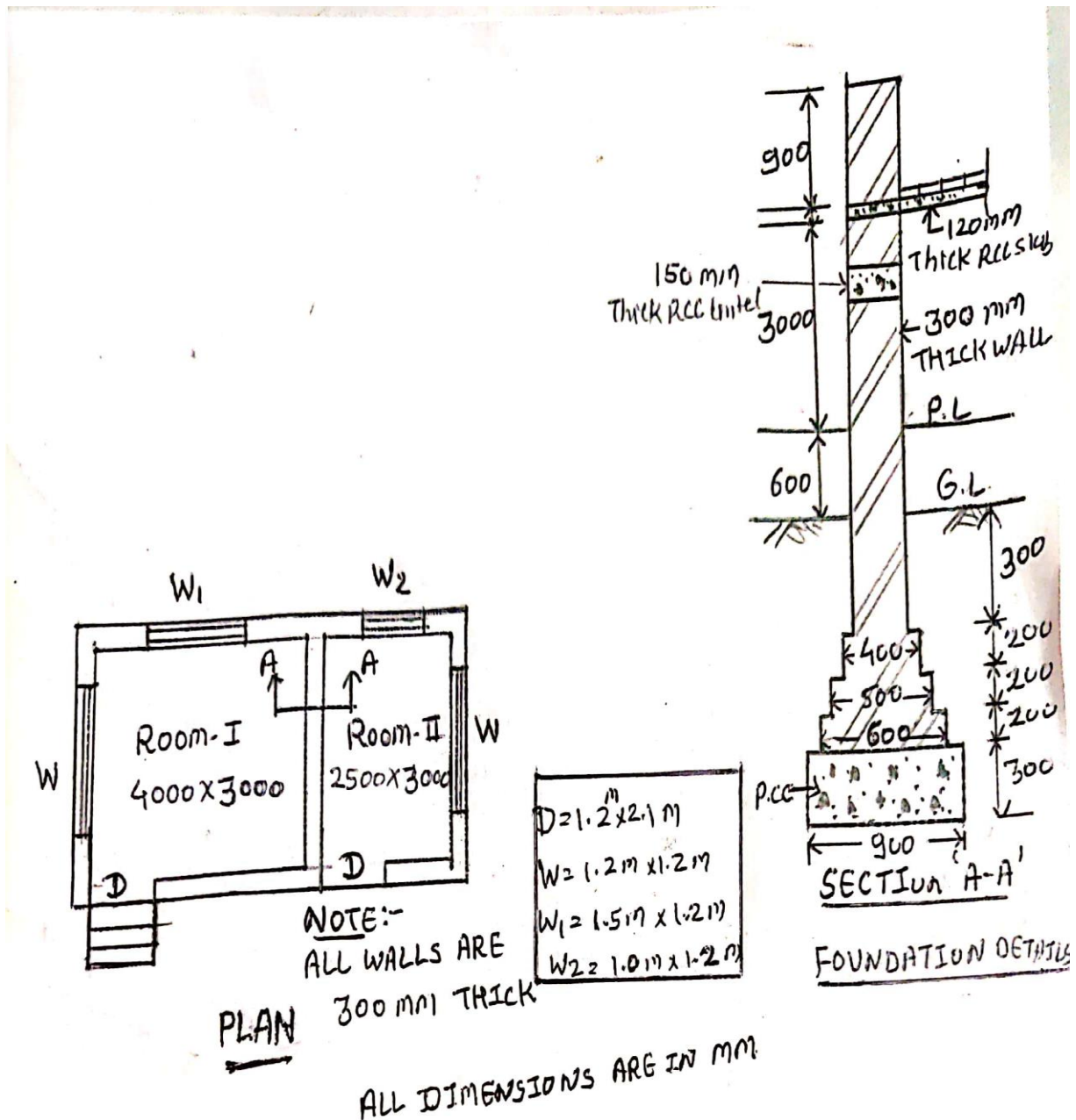


Figure. 1