

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII • EXAMINATION – WINTER • 2014

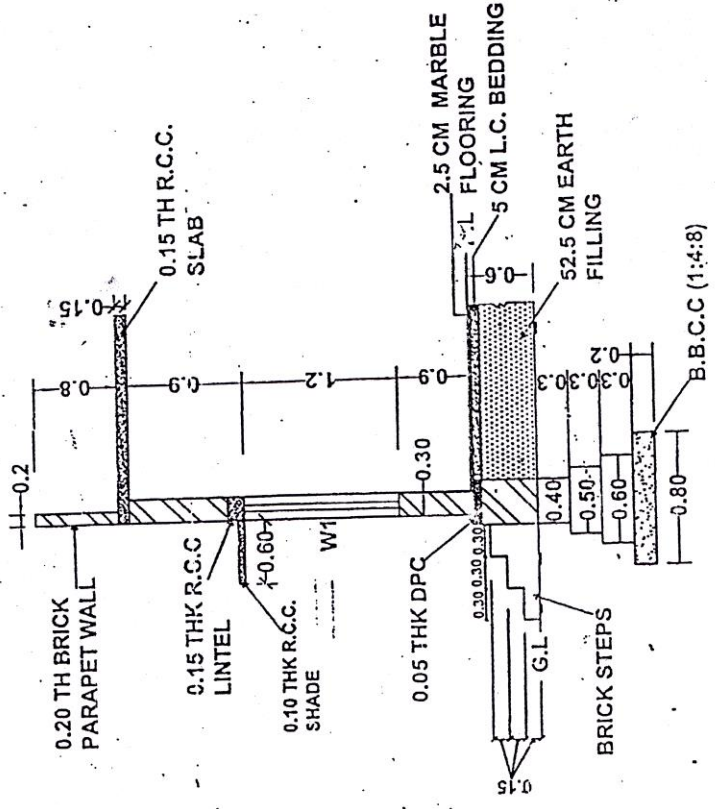
Subject Code: 180603**Date: 02-12-2014****Subject Name: Professional Practice and Valuation****Time: 02:30 pm - 05:30 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

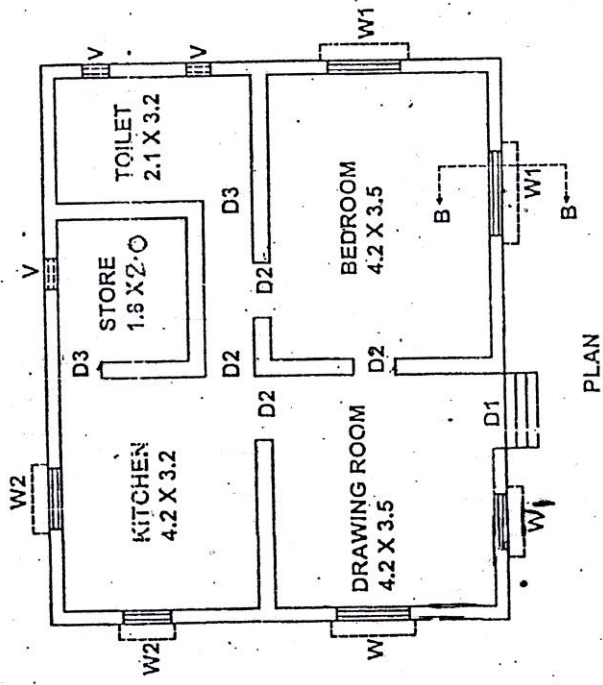
- Q.1 (a)** The Plan of a residential building is shown in Figure-1. Calculate quantity of following items in a quantity sheet. Adopt suitable brief specifications. **14**
1. Excavation in foundation
 2. B.B.C.C. (1:4:8) in foundation.
 3. First class brick work in foundation and plinth in cement mortar 1:6
 4. 2.5 cm thick Damp proof course.
 5. Earth filling in Plinth.
- Q.2 (a)** Explain various types of detail estimates. **07**
- (b)** Discuss the essential principles of writing good specifications. **07**
- OR**
- (b)** Write detail specifications of the following items. **07**
1. Reinforced Cement Concrete (1:2:4).
 2. First class brick work in CM (1:6).
- Q.3 (a)** Describe the factors affecting the rate analysis. **07**
- (b)** What is the significance of market survey in civil engineering? How the rate of an item is derived by method of rate analysis? **07**
- OR**
- Q.3 (a)** Find the rate of first class brickwork in superstructure in C.M (1:6) for 10 m³. **07**
 Assume suitable rates of material and labour
- (b)** What are the steps involve in preparing schedule of rates? **07**
- Q.4 (a)** Define Tender and Give detail classifications of Tenders. **07**
- (b)** List and Explain the essential requirements of a valid contract. **07**
- OR**
- Q.4 (a)** What is Muster roll? What are the rules to be observed in its preparation? **07**
- (b)** How the bills for payment of the contractor are prepared? What is the procedure of checking the measurements? **07**
- Q.5 (a)** Explain the factors affecting value of property. **07**
- (b)** A person intends to sell out his property with an offer of Rs. 3,50,000/-. The details of the property are as under: **07**
1. Monthly Rent Rs. 3,000/-
 2. Land area of property : 50 m²
 3. Estimated life of Property : 30 years
 4. Estimated value of land Rs. 500/Sq.m
 5. Total Outgoings – 28% of gross rent
 6. Take rate of interest on capital – 6.5% and on redemption of capital – 4.5%
- Give advice to client to sell the property or not.

OR

- Q.5 (a) Write short note on following 07
1. Different types of value.
 2. Difference between Depreciation and Obsolescence.
- (b) Differentiate between departmental execution and contract system. 07



SECTION B-B



PLAN

NOTE: -ALL DIMENSIONS ARE IN M

FIGURE: - 1

ASSUME DATA REQUIRED

SCHEDULE OF OPENINGS

- D1 = 1.1 X 2.1
 - D2 = 0.9 X 2.1
 - D3 = 0.9 X 2.1
 - W = 1.8 X 1.2
 - W1 = 1.5 X 1.2
 - W2 = 1.2 X 1.2
 - V = 0.6 X 0.6
- BEARING OF LINTEL = 0.1