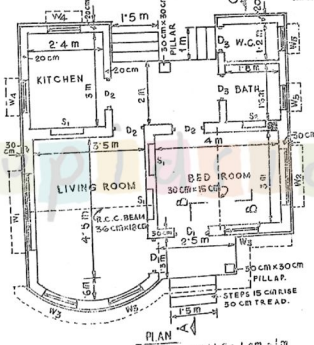
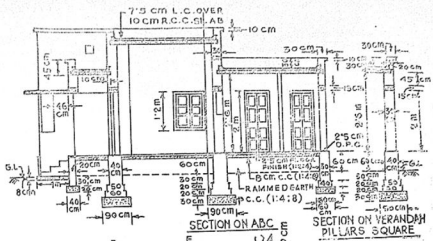


GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII • EXAMINATION – SUMMER 2014****Subject Code: 180603****Date: 03-06-2014****Subject Name: Professional Practice and Valuation****Time: 10:30 am TO 01:30 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Calculate the following quantities of the residential building which is shown in fig-1.(i) Excavation in foundation (ii) plain cement concrete in foundation 1:4:8 (iii) First class brick work in foundation and plinth in cement mortar 1:6 (iv) 2.5 cm thick D.P.C. **14**
- Q.2** (a) Explain various types of rent. **07**
 (b) Describe service unit method of App. Estimate. **07**
- OR**
- (b) A building fetches gross monthly income of Rs. 5000. All outgoings are 40% of the gross income. If rate of interest is 8% on capital and 4% on sinking fund, find capitalized value of the property. Take life of building as 40 years. **07**
- Q.3** (a) What is meant by analysis of rates ? How the rate per unit of an item is fixed. **07**
 (b) Carry out rate analysis for Brick work in cement mortar 1:5 in foundation and plinth. Assume suitable rates for material and labours. **07**
- OR**
- Q.3** (a) Discuss principles of writing good specification. **07**
 (b) Write detail specification of Timber door and windows and Cement concrete (1:4:8) for foundation. **07**
- Q.4** (a) Explain methods of calculating depreciation. **07**
 (b) Explain Book value, Salvage value, Market value, Outgoings and Obsolescence. **07**
- OR**
- Q.4** (a) Explain importance and purpose of valuation. **07**
 (b) The cost of newly constructed building was Rs. 150000/- The life of building is 75 years. Determine the depreciation in the 30th year of life by straight line method, constant % method and sinking fund method at the 8% compound interest. The scrap value of building is 10% of its construction cost. **07**
- Q.5** (a) Write down type of contracts and Explain Lump-sum contracts. **07**
 (b) Write short note on Scrutiny of Tender. **07**
- OR**
- Q.5** (a) What are the steps involved in preparing schedule of rates ? **07**
 (b) Discuss the mode of payment to the contractor. How the first and final bill, running or interim bill are paid. **07**



DOORS:-
 $D_1 = 1.1 \text{ m} \times 2.0 \text{ m}$
 $D_2 = 1.0 \text{ m} \times 2.0 \text{ m}$
 $D_3 = 0.8 \text{ m} \times 2.0 \text{ m}$

WINDOWS:-
 $W_1 = 2.4 \text{ m} \times 1.2 \text{ m}$
 $W_2 = 1.9 \text{ m} \times 1.2 \text{ m}$
 $W_3 = 1.1 \text{ m} \times 1.2 \text{ m}$
 $W_4 = 1.0 \text{ m} \times 1.2 \text{ m}$
 $W_5 = 0.75 \text{ m} \times 1.0 \text{ m}$

SHELVES:-
 $S_1 = 1.0 \text{ m} \times 1.2 \text{ m}$
 $S_2 = 0.75 \text{ m} \times 0.75 \text{ m}$

CHAJJA:-
 5 CM THICK (N) & 45 CM PROJ.

SCALE: 1 cm = 1 m

fig 1
