

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

**Subject Code:180603**

**Date:13/05/2015**

**Subject Name: Professional Practice & Valuation**

**Time:10.30AM-01.30PM**

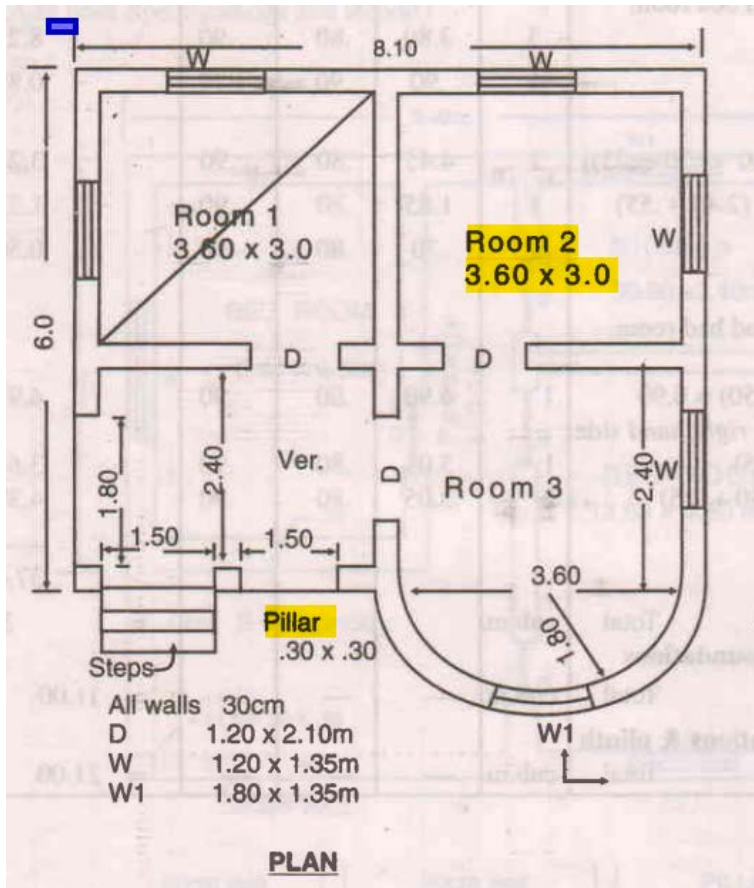
**Total Marks: 70**

**Instructions:**

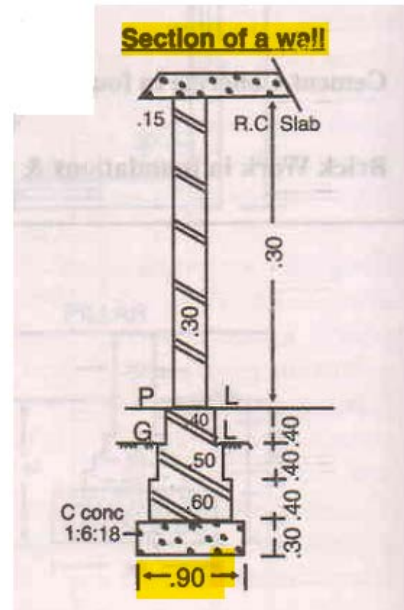
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Refer fig.No.1 and workout the following items for the entire house. 1) Excavation for foundations 2) Brick work in cement mortar in foundation and Plinth. **07**
- (b) Calculate the amount of cement and sand required for item no.2 in Question no. 1(a) above. **07**
- Q.2** (a) Write Detailed specifications for plain cement concrete ( 1: 2:4) **07**
- (b) Write Detailed specifications for excavation in foundation. **07**
- OR**
- (b) Write Detailed specification for cement plaster (1:6) **07**
- Q.3** (a) Analyze the rate of 1cum of R.C.C.(1:2:4) slab reinforce with M.S. reinforcement up to 90Kg / Cum of cement concrete, including centering and shuttering laid in position and complete in all respect. Assume suitable market rates. **07**
- (b) Calculate amount of cement and sand required for 1cum of Plain cement concrete ( 1:2:4). **07**
- OR**
- Q.3** (a) Define Rate analysis and explain various steps taken in to consideration for preparing detailed analysis of rate. **07**
- (b) State the market prices for the following 1) Cement bag of 50 Kg 2) White cement bag of 5 Kg 3) Wages per day for mason 4) Wages of labour per day 5) hire charges of concrete mixer per day 6) Hire charges of vibrator per day 7) Thousand bricks **07**
- Q.4** (a) Write short note on “Condition of Contract” and Explain important contractual conditions. **07**
- (b) Draft a typical Tender Notice for the construction of your own house. **07**
- OR**
- Q.4** (a) Explain the responsibility of Owner, Architect, Contractor and Engineering in civil engineering works. **07**
- (b) Explain the following terms 1) Measurement book 2) Abstract 3)Final Bill 4) Contacts 5) Agreements 6) Vouchers 7)Task **07**
- Q.5** (a) Explain the purpose of valuation of real properties and describe any one method of valuation of buildings. **07**
- (b) Explain following terms 1) Depreciation 2) Sinking fund 3) obsolescence 4) out going 5) Capitalized value 6) Years purchase 7) Market Value **07**
- OR**
- Q.5** (a) Explain rental method of valuation with a typical example. **07**
- (b) The value of building is ` 800000/- it is 30 years old and is in good condition if the life of building is 80 years, What is its present value for acquisition? **07**
- Assuming rate of interest as 7% calculate the standard rent on present day value of the building.

**Plan**



**Section of Wall**



**Fig. 1 (Q.1(a))**

**All dimensions are in meters**