Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY PDDC – SEMESTER – VIII • EXAMINATION – Winter - 2016

Date:25/10/2016

Subject Code: X80601

Subject Name: Professional Practice & Valuation Time: 02.30 pm - 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 details mentioned in fig 1, work out the quantities for **07** the following items of work; (i) Excavation for foundation. (ii) Cement concrete in foundation (iii) Earth work in plinth filling in rooms (b) Prepare detailed estimate of quantity of RCC beam as mentioned in fig 2, and 07 show the bar bending schedule. Explain in short: Contingencies, Work-charged establishment, Administrative 07 **Q.2** (a) Schedule of Rates, Lump-Sum items, Revise approval, Supplementary estimate (b) What is the necessity of writing down the specifications for any civil **07** engineering project? And How do we write the specifications. **(b)** Give general specification for first class brick masonry. **07** 0.3 (a) Explain in short the purposes of rate analysis. And prepare the rate analysis of **07** 20 mm thick smooth cement plaster in CM (1:6) (b) i) Write down the significance of doing market survey of materials for 07 constructions. ii) What are the benefits of using traditional or modular construction materials? OR (a) Explain in short the out-turn work. And prepare rate analysis for Ist class brick 0.3 07 masonry in 1:6 CM in superstructure **(b)** i) Explain the difference between abstract and quantity sheet. 07 ii) What do you understand by over expenses? 07 0.4 Explain various types of contract used in building and construction industry. What are the features of Measurement Book? What points are to be taken care 07 of while recording the measurements? OR What is tender? What particulars are to be given in tender notice? **Q.4** 07 What are the duties and liabilities of Owner, Engineer & Contractor? 07 **(b)** Q.5 (a) Valuation 07 Explain the following terms: (1) Value (2) Cost (3) Price (4) Years Purchase (5) Depreciation (6) Amortization (7) Annuity **(b)** Discuss the methods to determine depreciation. **07** OR Q.5 (a) What are the factors that affect the value of a property? 07 (b) Calculate amount of annual sinking fund at 5% interest for a building **07** constructed at cost of Rs. 10,00,000. Assume the future life of building to be 30 years and scrape value of the building to be 15% of cost of construction.

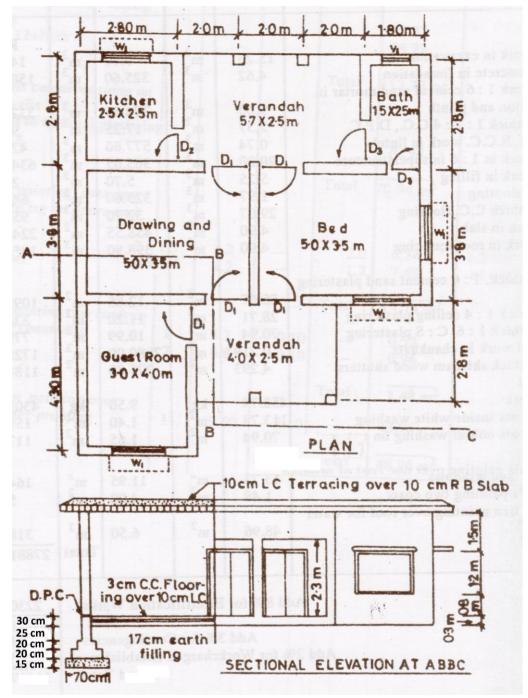


Fig 1 Plan & sectional elevation of a building

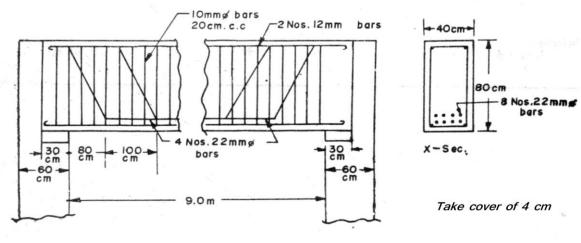


Fig 2 RCC beam
