Seat No.: En	rolment No
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Subject Code: 180603

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - WINTER • 2014

Date: 02-12-2014

Ti	me: 0: truction	Name: Professional Practice and Valuation 2:30 pm - 05:30 pm Total Marks: 7 ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	70
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. 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. 	14
Q.2	(a) (b)	Explain various types of detail estimates. Discuss the essential principles of writing good specifications. OR	07 07
	(b)	Write detail specifications of the following items. 1. Reinforced Cement Concrete (1:2:4). 2. First class brick work in CM (1:6).	07
Q.3	(a) (b)	Describe the factors affecting the rate analysis. What is the significance of market survey in civil engineering? How the rate of an item is derived by method of rate analysis? OR	07 07
Q.3	(a) (b)	Find the rate of first class brickwork in superstructure in C.M (1:6) for 10 m ³ . Assume suitable rates of material and labour What are the steps involve in preparing schedule of rates?	07 07
Q.4	(a) (b)	Define Tender and Give detail classifications of Tenders. List and Explain the essential requirements of a valid contract. OR	07 07
Q.4	(a) (b)	What is Muster roll? What are the rules to be observed in its preparation? How the bills for payment of the contractor are prepared? What is the procedure of checking the measurements?	07 07
Q.5	(a) (b)	Explain the factors affecting value of property. A person intends to sell out his property with an offer of Rs. 3,50,000/ The details of the property are as under: 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.	07 07

- 1. Different types of value.
- 2. Difference between Depreciation and Obsolescence.
- **(b)** Differentiate between departmental execution and contract system.

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