Seat No.:	Enrolment No.
Seat No	Elifoliticiti No.

Subject Code: 180603

Subject Name: Professional Practice & Valuation

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VIII.EXAMINATION - WINTER 2016

Date: 21/10/2016

		: 02:30 PM to 05:30 PM Total Marks: 70 etions:	
11	istruc	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Calculate the following quantities of the Residential building which is shown in Fig.No.1 (i) Excavation in foundation	07
	(b)	 (ii) First class Brickwork in C.M.(1:6) in foundation & plinth (without steps) (i) 12mm thick cement plaster in C.M. (1:4) for Bedroom, Drawing room & Kitchen inside only. (ii) First class Brickwork in C.M.(1:6) for Super structure only.(without parapet & partition wall) 	07
Q.2	(a)	Workout the quantities of following items for R.C.C.Column Fig no. 2 (i) C.C.(1:2:4) & Form work for column & column footing. (ii)Reinforcement in Kg for column &column footing.	07
	(b)	 (i) Define Specification. Enlist the principles of specification writing. (ii) Define Rate Analysis. Enlist the factors affecting R.A. OR	07
	(b)	(i) Define Taskwork. State the factors affecting it.(ii) Write the detailed specifications for woodwork for Doors & Windows.	07
Q.3	(a) (b)	Derive Rate analysis for 10 cm thick brick partition wall in C.M. (1:4) Draft a Tender Notice for a Girls hostel costing Rs. Two hundred lacs. OR	07 07
Q.3	(a)	Calculate the quantities of different materials required for 10 cubic meter R.C.C. slab (1:2:4) with 1 % steel.	07
	(b)	Write down type of Contracts & Explain any one in detail.	07
Q.4	(a)	Differentiate between (i) Book value & Market value (ii) Depreciation & Obsolescence (iii) Earnest money deposit & Security deposit	07
	(b)	List various types of labor employed for construction work. Categorize them into skilled or unskilled labor. State their prevailing wages according to S.O.R. of your district.	07
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Q.4	(a) (b)	Define (i) Capitalized value (ii) Years purchase (iii) Amortization The construction cost of building is Rs.60000/on a plot of land admeasuring 200sq.mt. The land value is Rs.100/m2. The life of the building is 60 years. The owner expects net return on construction cost at 8 % and on land cost at 4% on his investment. Scrap value of building is 10%. Considering all outgoings including. S.F. as 30% of G.I. Find out monthly Rent of this building.	07 07
Q.5	(a)	(i) Calculate the amount of yearly installment for a loan of Rs.80000/ to be return in 25 equal annual installments along with compound interest at 12% per annum. (ii) Enlist the methods of valuation. Explain any one.	07
	(b)	Discuss the conditions for Termination of contract.	07

OR

- Q.5 (a) (i) A person purchases a property for Rs.300000/. The future life of the property is 50 years. Consider the value of land as Rs.100000/ and scrp value of building as 12%. What amount should be set aside yearly as sinking fund if the rate of interest is 4.59%.
 - (ii) Enlist the purposes of valuation.
 - (b) What is Muster roll? What are the rules to be observed in its preparation? 07



