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Date: 07/05/2015

Seat No.:	
No.	

Subject Code:X 80601

## **GUJARAT TECHNOLOGICAL UNIVERSITY**PDDC - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject Name: Professional Practice and Valuation			
	me:10 truction	0:30 am - 01:00 pm Total Marks:	70
11150	1. 2.	Attempt all questions.	
Q.1	(a)	(i) Work out the quantity of dry stone masonry retaining wall 100 m long 60 cm top width 5.6 meter high with 1:3 batter on the front face and back vertical(ii) Dry stone masonry in a dry stone masonry breast wall50 meter long, 2.4 meter high, 60 cm top width, 1:2 batter outer face 1:3 batter on the inner face	07
	<b>(b)</b>	Write down detailed specification for lime concrete in foundation	07
Q.2	(a)	Explain the importance of earnest money and security deposit. Why are these amounts deposited with the client. Give the amount in terms of the total cost of the work for the cost of tender form, security deposit security deposit and the earnest money deposit	07
	<b>(b)</b>	Give the units of measurement of the following: sawing of timber, barbed wire fencing, silt clearance, R.B. work, Steel girders, A.C. sheet roofing, supply of cement.	07
	<b>(b)</b>	Explain what is meant by rent statement of a building, how it is prepared, how and when it is to be revised.	07
Q.3	(a)	Explain the following: bar bending schedule, rough cost estimate, depreciation, sinking fund.	07
	<b>(b)</b>	Calculate the quantity of cement and sand required for 100 m <sup>2</sup> of 1:4 cement plaster 10 mm thick.	07
Q.3	(a)	Or Prepare a tender notice for a school building costing 5 lakhs rupees at a taluka head quarter 15 kilometer from Bhuj.	07
	(b)	Calculate the number of bricks required for 100 square meter of 10 cm thick brick partition wall with 1:3 cement mortar	07
Q.4	(a) (b)	Give the rate analysis of RCC work in beams for residential building An old building has been purchased at a cost of Rs 40000 excluding the cost of the land. Determine the amount of annual sinking fund at 8% interest assuming the future life of the building 20 years and scrap value as 10% of the cost of purchase.	07 07
Q.4	(a)	or Give the detailed analysis for whitewashing with lime.	07
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- (b) Estimate the quantity of earthwork in footing, lime concrete in footing and eart work in foundation refill for a singled room servant's quarter having internal dimensions 3.5 m x 4.5 meter, walls 0.3 meter thick above plinth level, 0.4 m thick below plinth level with one footing 0.5 meter wide 0.2 meter deep over 0.8 m wide 0.3 m deep lime concrete layer. Foundation is 0.8 m wide and 1.10 m deep below ground level
- Q.5 (a) (i)Define capital cost (ii) Define capitalized value (iii)A property is fetching Rupees 1500 per year as net income. Determine capitalized value of the property if the rate of interest is 5%
  - (b) Distinguish clearly between (i) revised estimate and supplementary estimate(ii) 07 salvage value and scrap value (iii) prismoidal method and mean sectional method for earthwork volume calculations.

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- Q.5 (a) Distinguish clearly between (i) dismantling and demolition (ii) vouchers and bills 07 (iii) Lead and lift. Explain the importance of each
  - (b) Estimate the cost of transporting 50000 bricks by a cart over a distance of 10 kilometer. The cart can carry 250 bricks at a speed of 4km/hour. The cart hire is Rs 30/day including cartman. Assume a working day of 8 hours and 3/4 hours for loading and unloading.

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