Seat No.:	Envalment No
Seat No.:	Enrolment No.

Subject Code:180603

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE - SEMESTER-VIII EXAMINATION - SUMMER 2016**

Date:07/05/2016

Ti	•	Attempt all questions.  Make suitable assumptions wherever necessary.	70
Q.1	(a) (b)	Discuss the factors affecting rate analysis. What is the purpose of rate analysis?	07 07
Q.2	(a) (b)	Enlist and explain different methods of valuation. What is Tender? Give detailed classification of tenders.  OR	07 07
	<b>(b)</b>	Differentiate between: 1) Depreciation and obsolence. 2) Free hold property and lease hold property.	07
Q.3	(a)	Calculate the following:  1) No. of bricks required for 1cu.m. brick work.  2) No. of cement bags for 1 cu.m. brick work in cement mortar 1:4	07
	<b>(b)</b>		07
Q.3	(a) (b)	OR Define and explain: 1) Cost.2) Value. 3) Price. 4) Salvage value. What are the reasons of exceeding the actual cost to estimated cost?	07 07
Q.4	(a)	Give accuracy criteria in the measurement of following items.  1) Plastering 2) Brick work. 3) R.C.C.work.	07
	(b)	The details of cement concrete roads are as under.  Length of road = 1.0 km., pavement = 8.0m, sub base thickness = 0.1m prepare estimate of the road. Assume suitable rates.  OR	07
Q.4	(a) (b)	Discuss the factors affecting selection of construction equipment. Enumerate various types of plant and equipments in construction.	07 07
Q.5	(a) (b)	What are the essential requirements of a valid contract? What are the different types of engineering contracts?  OR	07 07
Q.5	(a) (b)	Differentiate between earnest money deposit and security deposit.  Define: 1) Arbitration.2) Revocation of tender. 3) Liquidated damage.  4) Inventory.	07 07

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