

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII EXAMINATION – SUMMER 2016****Subject Code:180603****Date:07/05/2016****Subject Name:Professional Practice & Valuation****Time:10:30 AM to 01:30 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) Discuss the factors affecting rate analysis. **07**  
 (b) What is the purpose of rate analysis? **07**
- Q.2** (a) Enlist and explain different methods of valuation. **07**  
 (b) What is Tender? Give detailed classification of tenders. **07**
- OR**
- (b) Differentiate between: 1) Depreciation and obsolescence. **07**  
 2) Free hold property and lease hold property.
- Q.3** (a) Calculate the following: **07**  
 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  
 (b) Give the detailed specifications for following items. **07**  
 1) Earth work in excavation  
 2) Plastering on walls.  
 3) R.C.C. work in (1:2:4)
- OR**
- Q.3** (a) Define and explain: 1) Cost.2) Value. 3) Price. 4) Salvage value. **07**  
 (b) What are the reasons of exceeding the actual cost to estimated cost? **07**
- Q.4** (a) Give accuracy criteria in the measurement of following items. **07**  
 1) Plastering 2) Brick work. 3) R.C.C.work.  
 (b) The details of cement concrete roads are as under. **07**  
 Length of road = 1.0 km., pavement = 8.0m, sub base thickness = 0.1m prepare estimate of the road. Assume suitable rates.
- OR**
- Q.4** (a) Discuss the factors affecting selection of construction equipment. **07**  
 (b) Enumerate various types of plant and equipments in construction. **07**
- Q.5** (a) What are the essential requirements of a valid contract? **07**  
 (b) What are the different types of engineering contracts? **07**
- OR**
- Q.5** (a) Differentiate between earnest money deposit and security deposit. **07**  
 (b) Define: 1) Arbitration.2) Revocation of tender. 3) Liquidated damage. **07**  
 4) Inventory.

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