

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.ARCH. - SEMESTER-VI EXAMINATION – WINTER 2015

Subject Code: 1065005

Date: 07/12/2015

Subject Name: Estimating & Costing

Time: 02:30pm to 4:30pm

Total Marks: 50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write down in detail purpose of Rate Analysis and Factor affecting rate Analysis. **06**
(b) Write down details specification of first class brick work in cement mortar. (1:6) for superstructure. **04**
- Q.2** (a) Write down methods of preparing approximate estimate. **05**
(b) Enlist the Data required for preparing and estimate. **05**
- Q.3** (a) Draft a tender for repair of windows and doors of military hospital having a cost of 125 lakhs fees of tender is 10,000. Last date of tender is 10th May 2015. **07**
(b) Calculate the following: **08**
1. Number of bricks required in 1 cum brickwork.
2. Quantity of sand for 1 cum P.C.C. cements mortar 1:1.5:3.
- Or
- Q.3** (a) Find the quantity and rate analysis for 100 m² area and 12 mm thick plaster (1:4). **07**
(b) Define the following: (any two) **04**
1. Tender fees
2. Earnest money deposit
3. Security deposit
- (c) Explain the term specification. State the importance of it. **04**
- Q.4** A Reinforced Cement concrete column in shown in figure. Calculate the quality of the following items. **15**
1. 1:2:4 cement concrete of column and footing.
2. Sand aggregate for 1:2:4 Concrete.
3. Form work for column and footing.
4. No. of cement bags 1:2:4 R.C.C.
5. Steel for column and footing in kg.

