

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH - SEMESTER-6- EXAMINATION – SUMMER 2018

Subject Code:1065005

Date:08/05/2018

Subject Name:Estimating & Costing

Time:10.30AM TO 12.30PM

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) Define rate analysis and write purpose of rate analysis. [10]
(b) Explain factors affecting rate analysis.
- Q.2 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 June 2018 . [7]
- Q.3 (a) Work out the quantity of items listed below of chaukidar quarter shown in fig [10]
(a).
1) Earth work
2) C.C. for foundation
3) IInd class brick masonry in CM (1:6) for foundation and plinth
4) Wood work for doors, windows and ventilators
OR
- Q.3 (a) Prepare an estimate of a RCC beam as shown in fig (b). (bar bending schedule is [10]
not required)
- Q.4 A Reinforced Cement concrete column in shown in figure. Calculate the quality of [13]
the following items.
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.
OR
- Q.4 (a) Find the quantity and rate analysis for 100 m² area and 12 mm thick plaster [8]
(1:4).
(b) Explain Data required for preparing and estimate. [5]
- Q.5 (a) Explain the term specification. State the importance of it. [6]
(b) Define the following: (any two) [4]
1. Tender fees
2. Ernest money deposit
3. Security deposit