`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

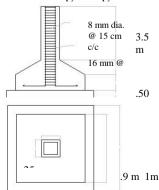
Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 0.1 Write down in detail purpose of Rate Analysis and Factor affecting rate Analysis. 06 (a)
 - Write down details specification of first class brick work in cement mortar. (1:6) for **(b)** superstructure.
- Q.2(a) Write down methods of preparing approximate estimate. 05 05
 - Enlist the Data required for preparing and estimate. **(b)**
- Draft a tender for repair of windows and doors of military hospital having a cost of **Q.3** (a) 07 125 lakhs fees of tender is 10,000. Last date of tender is 10th May 2015.
 - Calculate the following: **(b)** 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

- Find the quantity and rate analysis for 100 m² area and 12 mm thick plaster (1:4). 07 Q.3
 - Define the following: (any two) **(b)** 04
 - 1. Tender fees
 - 2. Ernest money deposit
 - 3. Security deposit
 - Explain the term specification. State the importance of it.
- **Q.4** A Reinforced Cement concrete column in shown in figure. Calculate the quality of 15
- 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.

Weight of steel 12mm dia. = 0.9kg/m 08mm dia. = 0.4



04

04