

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BA- SEMESTER-VI EXAMINATION – WINTER 2020

Subject Code:1065005

Date:29/01/2021

Subject Name:Estimating & Costing

Time:02:00 PM TO 04:00 PM

Total Marks: 50

Instructions:

1. Attempt any SIX questions out of Q.1 to Q.9 questions.
2. Attempt any TWO questions out of Q.10 to Q.13 questions.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.
5. Use of only simple calculator is permitted in Mathematics.

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|------|---|----|
| Q.1 | Write short note on Prime cost. | 05 |
| Q.2 | Explain Detailed estimation and draw the measurement sheet and abstract sheet. | 05 |
| Q.3 | Provide the measurement of plastering work according to IS 1200. | 05 |
| Q.4 | What is SOR? Prepare the rate analysis for Brickwork in CM(1:6), take 10 m ³ quantity. | 05 |
| Q.5 | Differentiate between centerline method and separate wall method. | 05 |
| Q.6 | Find the material quantity for cement concrete (1 : 2 : 4). | 05 |
| Q.7 | What is tender? What is liquidated and unliquidated damages. | 05 |
| Q.8 | What is termination of tender ? | 05 |
| Q.9 | What is contract ? Explain item rate contracts. | 05 |
| Q.10 | Prepare the estimation of following quantities given in fig. (use any method)
1. 2 nd class brickwork for footings up to plinth level.
2. Plastering (Internal and External) | 10 |
| Q.11 | How the Reinforce work is calculated in RCC when the detailed drawing of steel bar is provided and not provided? | 10 |
| Q.12 | Explain the detailed specification for earthwork | 10 |
| Q.13 | Write detailed specification for R.C.C work. | 10 |

