

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VI (NEW) EXAMINATION – WINTER 2020****Subject Code:2162505****Date:27/01/2021****Subject Name:Estimating and Costing****Time:02:00 PM TO 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Define terms: (i) Fixed costs (ii) Variable costs (iii) Marginal costs	03
	(b) Enlist the main tools and techniques of cost reduction.	04
	(c) Discuss different techniques used for cost control.	07
Q.2	(a) Define costing. Give the difference between estimating & costing.	03
	(b) Discuss advantages of efficient costing.	04
	(c) Enlist and explain different methods of costing.	07
Q.3	(a) Give the main functions of an estimator.	03
	(b) Explain importance of estimating with example.	04
	(c) Discuss constituents of estimation.	07
Q.4	(a) Explain procedure used for calculate the material cost.	03
	(b) Discuss fixed overheads and variable overheads.	04
	(c) Enlist methods of on-cost allocation. Explain any two of them.	07
Q.5	(a) Give the objective of labour costing.	03
	(b) Define wages. Explain nominal wages and real wages.	04
	(c) Discuss ways to control over material cost.	07
Q.6	(a) Give advantages of incentive system.	03
	(b) Discuss characteristics of a good incentive system.	04
	(c) Enlist and explain methods commonly used for valuation of materials issued from stores.	07
Q.7	(a) Define mensuration. Explain its importance in engineering.	03
	(b) Estimate the total time taken to turn a 100 mm long and 25 mm diameter M. S. rod to a diameter of 23 mm in a single cut. Assume cutting speed to be 25 m/min, feed to be 0.1 mm/rev and the mounting time in self-centering 3-jaw chuck to be 40 sec. neglect the time taken to for setting up tool etc.	04
	(c) Explain methods used to measure areas of irregular figures.	07
Q.8	(a) Explain different forging operations.	03
	(b) Explain types of sheet metal joints.	04
	(c) Discuss: (i) Estimation of pattern cost and (ii) Estimation in foundry shop	07
