

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VI • EXAMINATION – SUMMER • 2015

Subject Code: 162505**Date: 18/05/2015****Subject Name: Estimating, Costing & Engineering Economics****Time: 10.30am-01.00pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Explain different Constituents of Estimation. **07**
 (b) Write the Difference between Estimating and Costing. **07**
- Q.2** (a) Draw the Block Diagram to illustrate the relation between “Elements of Cost” and “Components of Cost”. **07**
 (b) Explain the Components of Cost with Suitable examples. **07**
- OR**
- (b) Explain the Elements of Cost with Suitable examples. **07**
- Q.3** (a) Explain the procedure for finding Material Costing. **07**
 (b) Enlist the different Cutting Operations carried out in Machine Shop. Explain any THREE with neat sketch and Formula for calculating Cutting Time. **07**
- OR**
- Q.3** (a) What are the different Costs associated in Sheet Metal Industry. And also Explain the following terms relating to Sheet Metal Industry. **07**
 (i) Breaking Out
 (ii) Bending
 (b) Explain various losses occur during Forging Shop. What are the different Costs associated in Forging Industry. **07**
- Q.4** (a) Enlist the factors affecting Welding Cost. What are the different costs associated with Gas Welding Operation. **07**
 (b) Describe “Estimation of Pattern Cost in Foundry Industry”. **07**
- OR**
- Q.4** (a) What are the different costs associated with Arc Welding Operation. **07**
 (b) Define the term “Mensuration”. How Mensuration helpful for the Cost Control? Explain in detail. **07**
- Q.5** (a) Explain the term “Cost Control”. How the costs can be controlled? Explain in detail. **07**
 (b) Write Short Note on “Trade Cycle” **07**
- OR**
- Q.5** (a) Difference between “Cost Control” and “Cost Accounting”. **07**
 (b) Write Short Note on “Demand and Supply”. **07**
