

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING - SEMESTER – VIII • EXAMINATION – SUMMER 2017**

**Subject Code: 3385501****Date:02-05-2017****Subject Name: Costing Estimation & Production Management****Time:10.30 to 1.00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

**Q.1** (a) Describe Meaning of Organization, Capital, Estimating, Costing and Bill of Material. **07**

(b) Give Classification of Costs and list costing procedure. **07**

**Q.2** (a) Describe valuation of materials issued from stores. **07**

(b) How can we control over material cost? Describe. **07**

OR

(b) Define cutting speed, feed and depth of cut. **07**

**Q.3** (a) Describe different function of PPC department for process equipment fabrication industry. **07**

(b) Describe various types of sheet metal joint design prepared for sheet metal product. **07**

OR

**Q.3** (a) Find the time required to drill 8 holes in a flange each of dia. 2cm × 1.5 cm depth. Assume cutting speed as 40 m/min and feed as 0.20 mm/ rev. **07**

(b) Draw CPM Network for following activities and show critical path. Calculate total project duration, EST, LST, EFT, LFT and Float. **07**

Activity	A	B	C	D	E	F	G	H
Immediate preceding activity	—	A	A	B	C	C	D,E	F,G
Duration in Days	5	9	7	9	14	2	10	10

**Q.4** (a) Describe Simplification, Standardization and Rationalisation. **07**

(b) Describe objectives and Functions of material management. **07**

OR

**Q.4** (a) What is inventory? Describe Functions of inventory control. **07**

(b) Define estimation. Describe Aims and Functions of estimation. **07**

**Q.5** (a) Write brief note on KAIZEN. **07**

(b) Write brief note on Time study. **07**

OR

**Q.5** (a) State and explain meaning of product design and process selection. **07**

(b) Write brief note on ISO-9000. **07**

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