

Code: EE5T1

III B.Tech - I Semester – Regular Examinations - December 2016

**INDUSTRIAL ORGANIZATION AND ENGINEERING
ECONOMICS
(ELECTRICAL & ELECTRONICS ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) Define Organisation.
- b) Write any two demerits of matrix organization.
- c) Define Joint Stock Company.
- d) Write about two barriers of entrepreneurship.
- e) What do you mean by EOQ?
- f) Write about TQM.
- g) List out any two examples for fixed cost.
- h) Explain Iso-costs.
- i) What are the rules for drawing network diagrams?
- j) List out the types of project.
- k) State any two differences between Job and Mass Production.

PART – B

Answer any **THREE** questions. All questions carry equal marks. 3 x 16 = 48 M

2. Discuss the nature, functions and importance of Management. 16 M

3. Define Sole Proprietorship. Explain its features, merits and demerits in detail. 16 M

4. Explain the concept of SQC. How do you construct control charts for the variables? 16 M

5. Define BEP. How do you determine it? Show graphical presentation of BEA. Explain how Break-even analysis is used by the managers in their day-to-day operations? 16 M

6. a) A small project consists of the following activities with the given time estimates (T_o , T_m , T_p) respectively. Draw a network and find out the total project duration. 8 M

Activity	1-2	1-3	1-4	2-5	3-5	4-6	5-6
T_o	2	2	4	2	4	4	6
T_m	2	8	4	2	10	10	12
T_p	14	14	16	2	28	16	30

b) Draw the network for the following project; identify (i) the critical path (ii) find the project duration. 8 M

Activity	0-1	1-3	1-2	2-3	1-4	3-4	4-5
Time (in months)	3	16	6	8	10	5	3