

Code: EE4T1

II B.Tech - II Semester – Regular Examinations - JUNE 2015

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

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Briefly explain the principles of Scientific Management. 7 M
- b) Briefly explain functional organization? 7 M
- 2 a) What are the advantages & disadvantages of Sole Proprietorship? 7 M
- b) What is the role of Entrepreneurs in Economic Development of the nation? 7 M
- 3 a) Define plant layout? What are the principles of plant layout? 7 M
- b) State the merits and demerits of Batch production. 7 M
- 4 a) Briefly explain the need for inventory management. 7 M
- b) Briefly explain the concept of SIX SIGMA. 7 M

5 a) What is Demand Analysis? Explain the importance of demand analysis. 7 M

b) Briefly explain various methods of demand forecasting. 7 M

6 a) Briefly explain the concept of Iso-quants and Iso-costs. 7 M

b) What is BEP? What are the limitations of BEP? 7 M

7 a) Briefly explain the importance of Project Management. 7 M

b) What is feasibility study? Why is it conducted for launch of new projects? 7 M

8 a) Differentiate between PERT & CPM. 7 M

b) For the following data 7 M

Activity	A	B	C	D	E	F	G	H	I	J
Immediate predecessor	-	-	A	B	C,D	B	D,F	E	E,G	F,I
Duration	10	15	5	12	14	8	15	10	6	9

- i) Draw the project network diagram.
- ii) What are the critical activities.
- iii) What is the project completion duration?