Code: EE5T1

III B.Tech - I Semester – Regular/Supplementary Examinations October 2018

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) Write short notes on "authority and responsibility" with reference to Fayol's concept.
   b) Enumerate the essential features of a good organization.
   c) List the main barriers for entrepreneurs in India.
   d) What are the demerits of partnership organizations?
   e) Write any four applications of product layout.
   f) What statistical quality control charts will be used when quality of a product is described quantitatively?
   g) What is Six Sigma?
   h) Write the scope of micro economics.
   i) What is elasticity of demand?
   j) Why dummy activities are used in project network diagram?
   k) List out the various stages in project life cycle.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Do you think management is an art? Is it a science? Explain your answer with suitable examples. 10 M

   b) What are the criticisms of Taylor's scientific management theory? 6 M

3. a) What are the various stages in entrepreneurial process? Explain briefly. 10 M

   b) Explain the characteristic features of a Joint Stock Company. 6 M

4. a) What is economic order quantity? Explain the steps involved in ABC analysis. 8 M

   b) What is work study? Explain the different steps involved in work measurement. 8 M

5. a) Describe the concept of Break-Even Point with suitable example? Discuss its importance with management perspective. 10 M

   b) Explain Cobb – Douglas production function. 6 M

6. a) Draw the network diagram and find the critical path from the following information of a cooling tower construction project.   12 M

Activity	1-2	1-3	1-4	2-6	3-7	3-5	4-5	5-9	6-8	7-8	8-9
Activity time (Days)	6	5	2	5	7	10	4	6	2	6	4

b) Distinguish between CPM and PERT.   4 M