

Code: CE6T6FE-A, IT6T5FE-C

III B.Tech - II Semester – Regular Examinations – May 2017

INDUSTRIAL ENGINEERING & ENTREPRENEURSHIP
(Common for CIVIL & IT)

Duration: 3 hours

Max. Marks: 70

PART – A

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

11x 2 = 22 M

1.

- a) Describe the management function “staffing”.
- b) Enumerate the contributions of FW Taylor towards management.
- c) Write any four functions of entrepreneur.
- d) What is TQM?
- e) Define (i) critical activity and (ii) dummy activity.
- f) What is crashing of project network?
- g) What are the disadvantages of line organization?
- h) What are the advantages of departmentation?
- i) Describe quality circle.
- j) Write a note on small Scale Industry.
- k) Distinguish between CPM and PERT.

PART – B

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

3 x 16 = 48 M

2. a) Explain Fayol's principles of management. 10 M

b) Discuss the role of industrial engineer in improving the productivity. 6 M

3. a) Draw a typical organization chart of a line organization in an industry. Write the advantages and disadvantages of line organization. 8 M

b) Classify the types of leadership based on authority and list main features of each of them. 8 M

4. Write short notes on:

(i) Variable control charts. 10 M

(ii) acceptance sampling. 6 M

5. Using the following information plot a network and determine the critical path. 16 M

Activity (i-j)	Days		
	Optimistic	Most likely	Pessimistic
1-2	2	5	14
1-3	9	12	15
2-4	5	14	17
3-4	2	5	8
4-5	6	6	12
3-5	8	17	20

6. a) Explain in detail about Entrepreneurial development of failure. 8 M
- b) Explain the steps involved in registration procedure to start a small scale industry. 8 M