PVP 14

Code: CE6T6FE-A, IT6T5FE-C, CS6T5FE-D, EE6T6FE-I

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2020

INDUSTRIAL ENGINEEERING & ENTREPRENEURSHIP
(Common for CIVIL, CSE, EEE & IT)

Duration: 3 hours Max. Marks: 70

PART – A

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

11x 2 = 22 M

1.

a) Enumerate the levels of management.
b) List the Henri Fayol's principles of management.
c) What is departmentalization?
d) List the types of organizational structure.
e) List the scientific techniques used in statistical quality control.
f) Define statistical quality control.
g) Define quality circle.
h) Define an activity.
i) Enumerate the applications of network analysis.
j) List financial consistence provided to small scale Industries.
k) List the functions of an entrepreneur.

PART – B

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

3 x 16 = 48 M

2. a) Enumerate and explicate the role and function of an Industrial Engineer. 8 M

   b) Briefly discuss the Taylors Principles of Scientific Management. 8 M

3. a) What do you mean by Departmentation? Explain its advantages. 8 M

   b) Explain the functional organisation structure? State its advantages and limitations. 8 M

4. a) What is meant by statistical quality control. What are its advantages? 8 M

   b) Define quality circle. Enumerate the characteristics and benefits of quality circles. 8 M

5. a) The following table gives the list of activities and their duration. 10 M

Activity	1-2	2-5	1-3	1-4	3-5	4-6	5-6
Duration in Days	8	10	4	6	6	8	4

i) Draw the network diagram
ii) Find EST, LST, EFT and LFT.
iii) Identify critical path.
iv) Calculate project completion time.

b) What are the three time estimates needed for PERT analysis and what do they represent? 6 M

6. a) Define entrepreneurship and explain the functions of an entrepreneur. 8 M

b) Explain the procedure for registration of small scale industries. 8 M