

III B. Tech II Semester Supplementary Examinations, November/December - 2016

MANAGEMENT SCIENCE
(Common to EEE & CHEM.)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answering the question in **Part-A** is compulsory
 3. Answer any **THREE** Questions from **Part-B**

PART -A

- 1 a) Define the concept of Management. [4M]
 b) Explain the concept of Work Study. [3M]
 c) Define the concept of Merit Rating. [4M]
 d) Explain the concept of PERT. [4M]
 e) Describe the elements of Corporate Planning Process. [3M]
 f) Define the concept of Just – In – Time. [4M]

PART -B

- 2 a) Describe the importance of Management. [6M]
 b) Explain any two theories of Motivation. [4M]
 c) Describe the decision making process. [6M]
 3 a) Define the principles of Management. [5M]
 b) Explain various control charts. [6M]
 c) Describe ABC analysis. [5M]
 4 a) Explain the functions of a HR manager. [8M]
 b) Describe the stages in Product Life Cycle. [8M]
 5 a) Explain the concept of developing a network. [6M]
 b) The following are the activities and the time duration pertaining to assembly and testing of a heat exchanger. [10M]

Activity	Activity description	Time duration (weeks)
1-2	Remove internals	2
1-4	Install external wiring	3
2-4	Install internal wiring	2
3-4	Install thermocouples	4
2-3	Construct supports	3
2-5	Install heaters	2
3-5	Install new tubes	4
5-6	Leak test	2
4-6	Check and calibrate	2
6-7	Insulate	1
7-8	Test at temperature	1

- 6 a) Describe the SWOT analysis. [8M]
 b) Describe the steps in strategy formulation and implementation. [8M]
 7 a) Describe the concept of Business Process Outsourcing. [8M]
 b) Explain Business process Re-engineering and Bench Marking. [8M]

