Code No: RT32025   **R13**   SET - 1

III B. Tech II Semester Supplementary Examinations, November -2018
MANAGEMENT SCIENCE
(Common to Electrical and Electronics Engineering and Chemical Engineering)

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)	Explain the Functions of management.	[3M]
	b)	List the steps involved in Decision making process?	[4M]
	c)	Explain EOQ.	[4M]
	d)	What is job evaluation?	[4M]
	e)	Explain about probability analysis.	[4M]
	f)	What is Mission statement?	[3M]

PART –B

2	a)	Explain the concept and nature of management.	[4M]
	b)	Discuss the Maslow's Needs hierarchy theory of motivation.	[8M]
	c)	Distinguish between line organization vs. staff organization.	[4M]
3	a)	Explain the need and importance of controlling inventory in the organization	[3M]
	b)	An inspection of 10 samples of size 400 each from 10 lots revealed the following: Number of defective units: 17, 15, 14, 26, 9, 4, 19, 12, 9, 15. Calculate control limits for the number of defective units. Plot the control limits and the observations and state whether the process is under control or not.	[8M]
	c)	A company uses annually 12,000 units of raw material costing Rs. 1.25 per unit. Placing each order cost Rs. 15. Carrying costs are 15% per year per unit of average inventory find out EOQ.	[5M]
4	a)	Explain the concept and functions of HRM.	[8M]
	b)	What is job evaluation? Explain the process of job evaluation.	[8M]
5	a)	What is PERT and its importance in network analysis? Explain the requirements for applications of PERT techniques.	[8M]
	b)	Draw network and calculate project completion time and floats for each activity with an illustration.	[8M]
6	a)	Define the term "Strategy". How a strategy is formulated?	[8M]
	b)	What do you mean by SWOT analysis? Explain its business analysis.	[8M]
7	a)	What is MIS? Explain the major functions and classifications of MIS.	[8M]
	b)	What is TQM? Discuss the elements and benefits of TQM.	[8M]

*****