

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] |
