

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**

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**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]