

Code No: RT42052

**R13**

**Set No. 1**

**IV B.Tech II Semester Regular Examinations, April/May – 2017**

**MANAGEMENT SCIENCE**

**(Common to Computer Science & Engineering, Information Technology and  
Automobile Engineering)**

**Time: 3 hours**

**Max. Marks: 70**

*Question paper consists of Part-A and Part-B*

*Answer ALL sub questions from Part-A*

*Answer any THREE questions from Part-B*

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**PART-A (22 Marks)**

1. a) What do you mean by Organizing? [4]
- b) Define Quality control? [4]
- c) Write a short note on Standardization? [3]
- d) What is Gantt chart? [4]
- e) Mention the Mission Statement? [4]
- f) What is Bench marking? [3]

**PART-B (3x16 = 48 Marks)**

2. a) What is management? Describe the nature and features of management. [8]
- b) Explain the levels of management and their functions. [8]
3. a) Define method study. Illustrate neatly with a diagram the basic procedure of a method study. [8]
- b) Describe the Henry Fayol 14 principles for management. [8]
4. a) What is product life cycle? Elaborate the various stages in product lifecycle. [8]
- b) Describe the human resource management in the context of globalization. [8]
5. a) Differentiate between PERT and CPM. [8]
- b) Explain different types of floats in Network analysis. [8]
6. a) Explain the steps in corporate planning process. [8]
- b) What do you mean by SWOT analysis and explain its significance? [8]
7. What is end user computing? How does it benefit the end user? Explain with examples. [16]

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**Set No. 2**

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Max. Marks: 70

*Question paper consists of Part-A and Part-B*

*Answer ALL sub questions from Part-A*

*Answer any THREE questions from Part-B*

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**PART-A (22 Marks)**

1. a) Define Coordinating? [4]
- b) What are Control limits? [4]
- c) What do you mean by Line management? [3]
- d) Write a short note on Milestone chart? [4]
- e) Mention about Expansion strategy? [4]
- f) Write about Just-in-time systems? [3]

**PART-B (3x16 = 48 Marks)**

2. a) Describe about the Hawthorne experiments. [8]
- b) Explain the advantages and disadvantages of line and staff organization. [8]
3. a) Enumerate the advantages and disadvantages of Acceptance sampling. [8]
- b) Below given is the information about the seat covers used by a car shop:  
Unit price = Rs.500  
Annual demand = 5000 units  
Storage cost = 5% per annum  
Cost of placing an order = Rs.50  
Interest rate = 10% per annum  
Find the number of orders to be placed and also calculate the EOQ. [8]
4. a) Describe the types of channels of distribution. [8]
- b) Explain the need for job analysis in an organization. [8]
5. a) Explain the various event time estimates? [8]
- b) What do you mean by crashing the network? Explain the procedure of crashing? [8]
6. a) Describe the stages in strategy formulation and implementation. [8]
- b) Discuss the internal environment to determine the strengths and weaknesses. [8]
7. Define Supply chain Management. Explain its functions. [16]

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**PART-A (22 Marks)**

1. a) Define Elements of planning? [4]
- b) Write a short note on Stores ledger account? [4]
- c) Write about Labour turnover? [3]
- d) Mention about Crash time? [4]
- e) What do you mean by Retrenchment strategy? [4]
- f) Define Business process outsourcing? [3]

**PART-B (3x16 = 48 Marks)**

2. a) Discuss the scientific management principles? [8]
- b) What is an organizational chart and describe its characteristics. [8]
3. a) Explain the stores documents with appropriate illustrations. [8]
- b) A company deals in the manufacturing of RAM for CPUs on mass production basis. Below are the number of defects found in RAM every day.

Number of Defects in RAM Sample size per day is 50.

No. of days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
No. of defective RAMs	10	9	10	9	5	6	2	3	9	4	9	10	8	9	10

[8]

Explain with suitable control chart?

4. a) Define Merit rating and describe its methods elaborately. [8]
- b) What is job specification? How is job description related to job specification? [8]
5. The essentials of cost and duration are provided.

Activity	Days	Normal Cost		Crash cost	
		Cost(Rs.)	Days	Cost (Rs.)	Days
1-2	3	500	2	1,000	
1-3	2	1,000	1	2,000	
2-4	6	1,400	3	2,500	
4-5	4	1,000	2	2,500	

Draw the network diagram and calculate cost slopes.

[16]

6. a) Enumerate the role of the strategist in the modern era. [8]
- b) What type of strategies to be used to improve sales. [8]
7. Describe the process of Six sigma in the organizations. [16]

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**Max. Marks: 70**

*Question paper consists of Part-A and Part-B*

*Answer ALL sub questions from Part-A*

*Answer any THREE questions from Part-B*

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**PART-A (22 Marks)**

1. a) Define Free-rein leadership? [4]
- b) Write about Inventory management? [4]
- c) Define Induction? [3]
- d) Write a short note on Cost slope? [4]
- e) What do you mean by Logistic alliance? [3]
- f) Mention about Capability maturity model? [4]

**PART-B (3x16 = 48 Marks)**

2. a) Explain Taylor's experiment and what he was trying to achieve with those experiments. [8]
- b) Elaborate the importance of management in the globalised era. [8]
3. a) What do you understand by Economic order quantity? Derive a formula to determine it. [8]
- b) Explain about work study. Enlist the various application of work study. [8]
4. a) What is performance appraisal? Why is it necessary to carry out performance appraisal? [8]
- b) Analyse the advantages of training and development programmes. [8]
5. a) Describe the uses of computers in Project management. [8]
- b) Enumerate the time estimates in PERT. [8]
6. a) Explain the strategy at different levels of a business. [8]
- b) What is the procedure of formulation of the Mission statement? Explain. [8]
7. Write short notes on: a) Total Quality Management  
b) Management Information System. [16]