Code No:**R1642052** **R16** Set No. 1

IV B.Tech II Semester Regular/Supplementary Examinations, June - 2022
MANAGEMENT SCIENCE
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 70

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A*(14 Marks)*

1. a) Define Management and its process   [3]
    b) Why we use p-Chart?   [3]
    c) What is HRM(Human Resource management)?   [2]
    d) Explain the steps in PERT (Program Evaluation and Review Technique)   [2]
    e) What should a vision statement include?   [2]
    f) Define & explain the term MIS. State its objectives   [2]

PART–B*(4x14 = 56 Marks)*

2. a) Explain about the nature and significance of management   [7]
    b) Discuss briefly the steps involved in Decision making process   [7]

3. a) What is meant by method study, its objectives and steps involved in method   [7]
        study.
    b) Explain about the objectives and importance of EOQ approach, how do you   [7]
        decide EOQ in Textile industry

4. a) Define HRM, and explain function of HRM   [7]
    b) What is Distribution? And discuss various channels of distribution.   [7]

5. a) What are the three components to build a net work?   [7]
    b) Compute Corresponding value of Z(x) i.e., probability to complete project within [7]
        the time, if Time Scheduled is 48 days.

Activity Alternate	Time Optimistic (To) Days	Time Optimistic (To) Days	Time Optimistic (To) Days
1-2	4	5	12
2-3	8	10	18
2-4	6	11	22
3-5	2	6	10
4-5	10	15	20
5-6	7	9	17

6. a) What is Corporate Planning Process and explain various steps involved.   [7]
    b) List and explain different components of SWOT Analysis? How SWOT analysis   [7]
        can be conducted in Service Sector?

7. a) Explain the concept of JIT. How does it help the manufacturing system to   [7]
        improve productivity?
    b) What is Enterprise Resource Planning (ERP)? Explain the process of ERP.   [7]

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Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
*****

PART–A *(14 Marks)*

1. a) Define Management Science   [3]
   b) How ABC analysis is useful in inventory management?   [3]
   c) Discuss the instruments of HRD (Human Resource Development).   [2]
   d) How is total project variance determined in CPM?   [2]
   e) Explain Mission Statement anatomy.   [2]
   f) What are the Four principles of TQM (Total Quality Management)   [2]

PART–B *(4x14 = 56 Marks)*

2. a) What are the principles of organization? Discuss its need   [7]
   b) Explain about Global Leadership and Organisational Behaviour Effectiveness   [7]
      (GLOBE) structure

3. a) Define Inventory, and discuss the need of Inventory Control in an organization   [7]
   b) What is ABC analysis. Explain about various types of ABC analysis   [7]

4. a) Define HRD, and differentiate it from HRM   [7]
   b) What is Merit rating? How it is useful for Job evaluation   [7]

5. a) Following Data relates to a certain project   [7]

Activity	Optimistic Time	Most likely time	Pessimistic Time
1-2	2	5	14
1-3	3	12	21
2-4	5	14	17
3-4	2	5	8
4-5	1	4	7
3-5	6	15	30

   Find out:
   i)   Construct the network.
   ii) Identify the critical path and duration of the project.
   b) What do you mean by crashing a network? State the step by step procedure of   [7]
      crashing.

6. a) What is Mission? What are the characteristics of a good Mission statement?   [7]
   b) Define Environmental Scanning and how is it useful to business organizations?   [7]

7. a) What is MIS? How MIS is useful for decision making?   [7]
   b) Explain about bench marking   [7]

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Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A *(14 Marks)*

1. a) Illustrate the generic functions of management.   [3]
    b) What can be controlled using R chart?   [3]
    c) What are the factors determining job evaluation?   [2]
    d) What are the three types of probability?   [2]
    e) Write a short note on Corporate Planning   [2]
    f) Discuss the Salient features of Supply Chain Management   [2]

PART–B *(4x14 = 56 Marks)*

2. a) Define and explain in detail the management and its various functions   [7]
    b) Explain the principles and types of organizational structures   [7]

3. a) Elucidate on the role and importance of control charts in production   [7]
    b) The following information is about the shock observers used by automobile work [7]
        shop Annual demand 5000 units, Unit price Rs 350 Cost of placing an order Rs
        60, Storage cost 4 Percent per annum Interest rate 8 percent per annum
        Calculate EOQ and also find the number of orders to be placed

4. a) Discuss the various functions of marketing.   [7]
    b) What is performance appraisal? discuss the various tools and techniques of   [7]
        performance appraisal.

5. a) How does the PERT technique helps a business manager in decision making   [7]
    b) A project schedule has the following characteristics   [7]

Activity	Time (week)	Activity	Time (week)
1-2	4	5-6	4
1-3	1	5-7	8
2-4	1	6-8	1
3-4	1	7-8	2
3-5	6	8-10	5
4-9	5	9-10	7

Find out: (i) Construct a network (ii) Compute earliest occurrence time (E) and least
occurrence time (L) for each event (iii) Find the critical path.

6. a) Briefly explain about   [7]
        i) Vission ii) Mission iii) Goals and iv) Strategy
    b) Define strategy. Explain various Steps in Strategy Formulation, Implementation [7]
        and Evaluation.

7. a) Write about the balance score card   [7]
    b) Explain the importance of Business Process Outsourcing   [7]

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R16

Set No. 4

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Time: 3 hours   **Max. Marks: 70**

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A *(14 Marks)*

1.	a)	What are the Levels of Organization structure?	[3]
	b)	Discuss Advantages of FSN Analysis	[3]
	c)	Explain Stages of Product Life Cycle	[2]
	d)	What is network analysis used for?	[2]
	e)	How SWOT analysis is useful in business?	[2]
	f)	What does a balanced score card measure?	[2]

PART–B *(4x14 = 56 Marks)*

2.	a)	Define Motivation. Explain any two motivational theories	[7]
	b)	Discuss the challenges to management in the new millennium	[7]
3.	a)	Briefly explain ABC analysis significance in inventory management	[7]
	b)	A manufacturer has to supply his customers 800 units of his products per year. Shortages are not allowed and the inventory carrying cost amount to Rs:0.8/- per unit per year. The setup cost per run is Rs:90/-. Find: i) Economic Order Quantity ii) Minimum Average Yearly cost iii) Time between two orders and optimal number of orders per year	[7]
4.	a)	Define marketing, and explain various functions of marketing	[7]
	b)	Discuss different wage payment system	[7]
5.	a)	Enumerate the network analysis and its advantages.	[7]
	b)	Determine Critical Path for following information:	[7]

Activity	Predecessor	Duration (Days)
A	--	12
B	A	10
C	A	16
D	A	14
E	B	8
F	C	18
G	D	20
H	E, F&G	22

6.	a)	State the significance of corporate planning.	[7]
	b)	Explain about the theories of multinational companies	[7]
7.	a)	What is six-sigma?	[7]
	b)	Explain about Business process Re-Engineering.	[7]

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