Code No: R1631011 **R16** SET - 1

III B. Tech I Semester Regular/Supplementary Examinations, October/November - 2019

MANAGEMENT SCIENCE

(Common to Civil Engineering, Petroleum Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

~~~~~~

PART –A (14 Marks)

1.	a)	Explain about global leadership.	[2M]
	b)	Write about *P* chart and *R* chart.	[2M]
	c)	What are the functions of HRM?	[2M]
	d)	Discuss about network analysis.	[3M]
	e)	Write about Mission Statement.	[3M]
	f)	Explain about JIT.	[2M]

PART –B (56 Marks)

2.	a)	Explain the nature and importance of management.	[7M]
	b)	What are the principles of organization? Explain.	[7M]
3.	a)	Discuss the principles of Administrative Management.	[7M]
	b)	The following information relating to inventory in WTS Ltd. is made available to you. The company wants to introduce the scheme of ordering only the economic order quantity. Annual demand: 480 units; Price per unit: Rs. 4; Carrying cost: 40 paisa per unit; Cost per order: Rs. 5 per unit. Find out EOQ and number of orders per year.	[7M]
4.	a)	What is product life cycle? Explain stages of PLC.	[7M]
	b)	Examine the different wage payment plans.	[7M]
5.	a)	Compare and contrast between CPM and PERT.	[7M]
	b)	Write about crashing the CPM network in project management.	[7M]
6.	a)	Discuss the different theories for multinational companies.	[7M]
	b)	What is Mission? What are the characteristics of a Mission statement?	[7M]
7.	a)	What is MIS? How MIS is useful for decision making in an organization.	[7M]
	b)	What is ERP? What is its scope and functions in an organization	[7M]

*****
~~~~~~

Code No: R1631011 **R16** SET - 2

III B. Tech I Semester Regular/Supplementary Examinations, October/November - 2019

MANAGEMENT SCIENCE

(Common to Civil Engineering, Petroleum Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

~~~~~~

PART –A (14 Marks)

1.	a)	Write about functions of Management.	[2M]
	b)	Explain about EOQ.	[2M]
	c)	What is marketing management?	[2M]
	d)	Discuss about project crashing.	[3M]
	e)	What is strategy?	[3M]
	f)	Explain about Six Sigma.	[2M]

PART –B (56 Marks)

2.	a)	Define management and explain the functions of management.	[7M]
	b)	Explain the Maslow's Needs theories of motivation.	[7M]
3.	a)	What do you mean by work study? Explain basic procedure involved in method study.	[7M]
	b)	A company purchases a component of a product at the rate of Rs. 50 per piece. The annual consumption of that component is 25,000 pieces. If the ordering cost is Rs. 230 per order and carrying cost is 20 percent per annum, what would be the EOQ?	[7M]
4.	a)	'Marketing is a life blood of an organization'. Discuss the statement.	[7M]
	b)	What are the marketing strategies in each stage of PLC? Explain.	[7M]
5.	a)	Explain the characteristics of PERT and its role in project network and in project Crashing.	[7M]
	b)	What are the rules to be satisfied for the identification of critical path? Explain.	[7M]
6.	a)	Draw the flow diagram for Corporate Planning Process and explain various steps involved?	[7M]
	b)	Explain the different components of SWOT Analysis.	[7M]
7.	a)	Describe the importance of Total Quality Management (TQM).	[7M]
	b)	What is ERP? Explain the state of employing ERP packages in India.	[7M]

*****

|''|''|||''|'''|||'|
~~~~~~

Code No: R1631011 **R16** SET - 3

III B. Tech I Semester Regular/Supplementary Examinations, October/November - 2019

MANAGEMENT SCIENCE

(Common to Civil Engineering, Petroleum Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

~~~~~~

PART –A (14 Marks)

1. a) Explain about Planning Process. [2M]
   b) What is ABC analysis? [2M]
   c) Discuss the functions of Marketing. [2M]
   d) Write about critical path. [3M]
   e) What is corporate Planning? [3M]
   f) Explain about Business Process Re-engineering. [2M]

PART –B (56 Marks)

2. a) Enumerate the evolution of management thought. [7M]
   b) What is decision making? Explain the process of decision making. [7M]

3. a) Define material management? Explain the importance of inventory control. [7M]
   b) What is work measurement? Explain its objectives and methods. [7M]

4. a) What is the concept of HRM? Explain its functions. [7M]
   b) Discuss about the channels of distribution. [7M]

5. a) A project has a following time schedule : [7M]

Activity	Time in Months	Activity	Time in Months
1-2	2	3-7	5
1-3	2	4-6	3
1-4	1	5-8	1
2-5	4	6-9	5
3-6	8	7-8	4
--	--	8-9	3

   Construct PERT network.
   b) What is the step by step process for solving critical path method? Explain. [7M]

6. a) Examine the statement, “Environmental scanning most important factor for planning”. [7M]
   b) Explain SWOT analysis. Analyse how SWOT analysis can be used for business? [7M]

7. a) What is bench marking? How it is useful to the business. [7M]
   b) How does Just-In-Time (JIT) help in reducing costs? Explain. [7M]

*****

|''|''|||''|''|||'|
~~~~~~

Code No: R1631011 **R16** SET - 4

III B. Tech I Semester Regular/Supplementary Examinations, October/November - 2019

MANAGEMENT SCIENCE

(Common to Civil Engineering, Petroleum Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**

~~~~~~

PART –A (14 Marks)

1.	a)	What is motivation?	[2M]
	b)	What is statistical quality control?	[2M]
	c)	Explain about channels distribution.	[2M]
	d)	Discuss about critical path.	[3M]
	e)	What is generic strategy?	[3M]
	f)	Explain about ERP	[2M]

PART –B (56 Marks)

2.	a)	Explain the Generic functions of management.	[7M]
	b)	What are the factors to be considered for design of good organization structure? Explain.	[7M]
3.	a)	Explain about the different control charts.	[7M]
	b)	What is ABC analysis? Explain the steps in ABC analysis.	[7M]
4.	a)	What is job evaluation? Explain the process of job evaluation.	[7M]
	b)	Define marketing management and what are the functions of marketing management?	[7M]
5.	a)	What are functions of dummy activities in a network diagram? Explain.	[7M]
	b)	Explain the characteristics of CPM and list out the steps in crashing a project.	[7M]
6.	a)	What is a Strategy? List out the steps in Strategy formulation.	[7M]
	b)	Discuss the essential elements of corporate planning.	[7M]
7.	a)	What is the concept and objectives of Total Quality Management?	[7M]
	b)	Explain the concept and importance of business process re-engineering.	[7M]

*****
~~~~~~