

Code No: 07A80501

R07**Set No. 2**

IV B.Tech II Semester Examinations, April/May 2012

MANAGEMENT SCIENCE

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Discuss Maslow's Theory of human needs. [16]
2. What are the various functions of management? [16]
3. Discuss the various methods of production with suitable examples. [16]
4. Discuss the features of functional organisation structure. What are the benefits and limitations? Discuss the situations under which it is more suitable. [16]
5. Calculate the value of Economic order quantity. Given the following:
Annual Usage = 50 units
Ordering cost = Rs. 15 per order
Cost per item = Rs. 100 per item
Inventory carrying cost = 10% [16]
6. Is it possible to simultaneously follow cost leadership and differentiation strategy for a business unit? Give reasons for your answer. [16]
7. Explain the concept of Capability Maturity Model. What is its role in modern management decision making process. [16]
8. The following table gives the number of rivets missing at aircraft final inspection. Prepare appropriate control chart. [16]

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S.No	Air Plane No.	No. of missing Rivets
1	A	8
2	B	16
3	C	14
4	D	19
5	E	11
6	F	15
7	G	8
8	H	11
9	I	21
10	J	12
11	K	23
12	L	16
13	M	9
14	N	25
15	O	15
16	P	9
17	Q	9
18	R	14
19	S	11
20	T	9
21	U	10
22	V	22
23	W	7
24	X	28
25	Y	9
Total		351

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R07**Set No. 4**

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Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. What is environmental scanning and what are the factors effecting external environment? [16]
2. Briefly explain the concept of selection. What are the different techniques of selection followed by a Personnel Manager, while employing the personnel in an organization? [16]
3. What do you mean by crashing a network? State step by step procedure of crashing. [16]
4. What do you understand by Economic order quantity? Derive the formula for determining the Economic order quantity. [16]
5. Explain Theory X and Theory Y as theories of motivation. [16]
6. Control charts for \bar{X} and R are maintained on the tensile strength in kg. of a certain yarn. The sub-group size is 5. The values of Control charts for \bar{X} and \bar{R} are computed for each sub group. After 25 sub-groups, given that $\Sigma \bar{X} = 514.8$, $\Sigma \bar{R} = 120$, compute the values of control limits for \bar{X} and R charts. [16]
7. Explain

a) Total Quality Management	b) Six Sigma
c) Balanced Score Card	d) ERP.

 [16]
8. Distinguish between Mechanistic and Organic Structures of Organisation. [16]

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R07**Set No. 1**

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Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. What is materials management? Explain its importance. [16]
2. The various time estimates of activities involved in a project are given in table; Determine;
 - (a) Determine the expected completion time of the project.
 - (b) Determine the variance and standard deviation of the project.
 - (c) Determine the probability factor of completing the project with in 23 days. [5+5+6]

Activities	T_o	T_m	T_p
1-2	2	6	10
1-3	4	8	12
2-4	2	3	4
2-3	2	4	6
3-4	0	0	0
3-5	3	6	9
4-6	6	10	14
5-6	1	3	5

3. What is SWOT analysis and explain its role in strategy formulation? [16]
4. Whether the concept of Just-In-Time System is suitable in Indian industry or Not? Discuss. [16]
5. How does line and staff organisation structure differ from line organisation structure? What are the benefits and limitations of line and staff organisation structure? [16]
6. What are the techniques of work measurement? Describe the relationship between work measurement and method study. [16]
7. Do you prefer centralized recruitment or de-centralized recruitment for recruiting executives in public sector? Substantiate your argument with adequate reasoning. [16]
8. "Despite the existence of plethora of theories of motivation, we are still in search of a suitable theory of motivation". Explain this statement. How does contingency theory of motivation try to bridge this gap? [16]

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R07**Set No. 3**

IV B.Tech II Semester Examinations, April/May 2012

MANAGEMENT SCIENCE

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. State and explain the Taylor's scientific management. [16]
2. Explain the philosophy behind Total quality management customer satisfaction and continuous improvement. What are the objectives of TQM? [16]
3. Briefly write a note on PERT & its time estimates. How do you calculate the expected time PERT? [16]
4. How has information systems affected strategic decision making? What are the issues that have surfaced in the light of rapid changes in information technology? [16]
5. Define 'Departmentation'. Explain its need in companies. [16]
6. Which methods of training are most suited for managerial training, and why? [16]
7. A manufacturer of Gen motors is required to purchase 2400 castings per year. These castings are subject to quantity of Rs. 0.75 from a quoted price of Rs. 10, if the quantity purchased is 3000 numbers at any time. If the ordering cost is Rs. 100 and inventory carrying cost is 24% per year. Find out:
 - (a) Economic order quantity
 - (b) Number of orders to be placed in a year
 - (c) Order interval, when working days in a year are 300. [16]
8. What is statistical quality control? Describe its importance in today's quality control problems. [16]
