

Code No: L0521

**R07****Set No. 1**

**IV B.Tech II Semester Supplementary Examinations, July/Aug 2012**  
**MANAGEMENT SCIENCE**

( Common to Computer Science & Engineering and Information  
 Technology)

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Describe how and why scientific management theory gained scientific management importance? [16]
2. Describe various bases for departmentation suggest a scheme of departmentation for a large marketing company with a field network all over the country. [16]
3. From the following data you are required to plot a p-chart and draw the conclusions. [16]

S.No	Year/Date	Number of pieces Inspected	Number of defectives found
1	1 <sup>st</sup> Jan'2007	400	30
2	2 <sup>nd</sup> Jan'2007	400	25
3	3 <sup>rd</sup> Jan'2007	400	30
4	4 <sup>th</sup> Jan'2007	400	35
5	5 <sup>th</sup> Jan'2007	400	40
6	6 <sup>th</sup> Jan'2007	400	45
7	7 <sup>th</sup> Jan'2007	400	35
8	8 <sup>th</sup> Jan'2007	400	45
9	9 <sup>th</sup> Jan'2007	400	35
10	10 <sup>th</sup> Jan'2007	400	40
Total	10 days	4000	360

4. Define purchasing. State the objectives of purchasing. [16]
5. What is manpower Planning? Explain the various series of activities involved in man power planning. [16]
6. Briefly write a note on PERT & its time estimates. How do you calculate the expected time PERT? [16]
7. Do you agree with the statement "A company should go in for available internal skills and a policy of promotion from within always." Justify. [16]
8. What do you understand by total quality management? How does this concept differ from quality control techniques? [16]

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**R07****Set No. 2**

**IV B.Tech II Semester Supplementary Examinations, July/Aug 2012**  
**MANAGEMENT SCIENCE**

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

**Time: 3 hours****Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. What are the Mayo's Hawthorne experiments? Why are they significant even to-day? [16]
2. How is informal organisation relevant to managers? In what ways, can managers make most effective use of informal organisation? [16]
3. What is a flow chart? Discuss its utility for method study engineer. [16]
4. 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]
5. How does the personnel function change as firm grows in size? Briefly describe each stage of development. [16]
6. Why is it necessary to PERT network? How does it help the management of a project? [16]
7. What are the steps involved in corporate planning? [16]
8. What do you understand by total quality management? How does this concept differ from quality control techniques? [16]

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**R07****Set No. 3****IV B.Tech II Semester Supplementary Examinations, July/Aug 2012****MANAGEMENT SCIENCE****( Common to Computer Science & Engineering and Information Technology)****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions  
All Questions carry equal marks**

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1. What are the leadership qualities that you would look for in a manager? Distinguish between innate and acquirable qualities with examples. [16]
2. Describe briefly the various steps involved in organising procedure. [16]
3. What do you mean by work study? Explain the basic procedure involved in method study and work measurement. [16]
4. A manufacturer requires 2000 units of an item per annum. The cost of placing an order is Rs. 10 per order and inventory carrying cost is 16% per year per unit of average inventory. The purchase price is Re. 1 per unit on the quantities below 1000 units. A discount of 5% is offered if the item is purchased in lots of 1000 units or above and there is a 7% discount if the whole annual requirement of 2000 units is purchased in a single lot. Find the economic order quantity and the number of orders to be placed in a year. [16]
5. Highlight the significance of job description in selection. [16]
6. What is the importance of Cost Analysis? Account for different types of cost citing examples. [16]
7. Do you agree with the statement "A company should go in for available internal skills and a policy of promotion from within always." Justify. [16]
8. Is re-engineering another fad or does it offer something of lasting value? [16]

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**R07****Set No. 4**

**IV B.Tech II Semester Supplementary Examinations, July/Aug 2012**  
**MANAGEMENT SCIENCE**

( Common to Computer Science & Engineering and Information  
 Technology)

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. State and describe the Fayol's principles of management. [16]
2. What do you mean by matrix organisation? How does it differ from project organisation? Discuss the situations under which matrix organisation can be used fruitfully. [16]
3. The following are the results of daily inspection of a vacuume tube. Compute the value of fraction defective for each day inspection and plot the p chart. [16]

Year/Date	Lot Size (n)	No. of defectives
3 <sup>rd</sup> March'2007	1024	30
5 <sup>th</sup> March'2007	2056	48
6 <sup>th</sup> March'2007	16835	86
7 <sup>th</sup> March'2007	16069	108
12 <sup>th</sup> March'2007	7369	59
13 <sup>th</sup> March'2007	8738	29
14 <sup>th</sup> March'2007	1220	10
17 <sup>th</sup> March'2007	16242	112
18 <sup>th</sup> March'2007	15145	76
24 <sup>th</sup> March'2007	5845	88
25 <sup>th</sup> March'2007	13582	154
Total	104125	720

4. A manufacturer purchases items in lots of 800 units which is a four months' requirement. The cost per unit is Rs. 100 and the ordering cost is Rs. 120 per order. The inventory carrying cost is estimated as 20% of the average inventory. Find the economic lot size and the number of orders to be placed in a year. [16]
5. Describe in detail the process of performance appraisal. [16]
6. (a) What is PERT and what are the applications of PERT?  
 (b) Define the terms slack and Float. Illustrate [8+8]
7. Is downsizing a good option for Indian firms? Discuss the proc and cons. [16]
8. Develop performance evaluation forms for the following:  
 (i) Production Manager (ii) Production supervisor  
 (iii) Skilled worker in production department. [5+5+6]

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