

Code :R7320203

1

**III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
MANAGEMENT SCIENCE**

(Common to Electrical & Electronics Engineering, Electronics & Control Engineering,
Electronics & Communication Engineering, Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

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

- Briefly explain different functions of Management.
- Distinguish between formal and informal organizations.
 - Distinguish between line and staff organizations.
- What is process layout? Explain its merits and demerits.
- What is ABC analysis? Explain procedure to control inventories based on their value and quantity.
- Discuss the objectives of personnel Management. Describe the functional and Organizational role of personnel manager in achieving the organizational goals.
- The following details relate to a small project with the help of which compute the probability of completion of project within scheduled time. The expected time of each activity is as follows:

SI.No.	1	2	3	4	5	6	7	8	9
Activity	1-2	1-3	2-4	3-4	4-5	5-6	3-5	5-7	6-7
Activity	6	8	7	12	3	5	7	11	10
- What is the need for corporate planning.
 - Explain the main elements corporate planning process.
- What is portfolio management? Discuss various key aspect in investment Decisions.

Code :R7320203

2

**III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
MANAGEMENT SCIENCE**

(Common to Electrical & Electronics Engineering, Electronics & Control Engineering,
Electronics & Communication Engineering, Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

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

1. Explain concepts of Management and organization and analyse their relationship.
2. What is the need of decentralization? Explain factors determining degree of decentralization.
3. Compare and contrast product and process layouts with suitable examples.
4. (a) What are the objectives of purchasing?
(b) Explain various methods of purchasing.
5. Why do Organizations promote their employees? What should the criteria be for Promotion?
6. Given the following data, compute the expected Project duration by drawing a network and indicate critical path. Find total slack of each event.

Activity	T_o	T_m	$T_p [T_p]$
1-2	2	5	14
1-6	2	5	8
2-3	5	11	29
2-4	1	4	7
3-5	5	11	17
4-5	2	5	14
6-7	3	9	27
5-8	2	2	8
7-8	7	13	13

7. What do you mean by mission and objectives of the organization? Explain with examples.
8. Explain the philosophy behind total quality management customer satisfaction and continuous improvement. What are the objectives of TQM?

Code :R7320203

3

**III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
MANAGEMENT SCIENCE**

(Common to Electrical & Electronics Engineering, Electronics & Control Engineering,
Electronics & Communication Engineering, Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

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

1. Explain the concept of Management, administration and organization.
2. Explain principles of organization.
3. Explain various plant layouts based on methods of production.
4. (a) What are the objectives and advantages of inventory control?
(b) Briefly explain ABC analysis and EOQ.
5. Explain the functions of HR manager in knowledge -based Organization such as Software developing company.
6. 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.

Activity	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

7. What is environmental scanning and what are the factors effecting external environment?
8. What do you understand by total quality management? How does this concept differ from quality control techniques?

Code :R7320203

4

**III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
MANAGEMENT SCIENCE**

**(Common to Electrical & Electronics Engineering, Electronics & Control Engineering,
Electronics & Communication Engineering, Electronics & Computer 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.
2. Discuss the features of line and staff organisations and illustrate their suitability.
3. What are the factors influencing the fixed layout? List out its advantages and disadvantages.
4. (a) What are the objectives of purchasing?
(b) Explain about purchasing process.
5. Describe the functions of Human resource manager in an industrial setting.
6. Discuss the salient features of Network Analysis.
7. State the significance of corporate planning. What is the need for planning.
8. What are the major ingredients of total quality management? Are some ingredients more important than the others? Explain.
