

II B.Tech II Semester Supplementary Examinations, November/December 2005

MANAGEMENT SCIENCE

(Electronics & Telematics)

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

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is the significance of Hawthorne experiments for management?
 (b) Explain the Maslow's Theory of Hierarchy of Human Needs. [8+8]
2. Why does 'organizing' assumes increasing importance in the modern times? [16]
3. What is a fixed position layout and under what conditions do you adopt it? Explain. [16]
4. What are the objectives and advantages of scientific inventory control? [16]
5. Discuss in detail the objectives and functions of Human Resource Management? [16]
6. What is recruitment? Evaluate different the sources of recruitment. [16]
7. What are the basic concepts underlying corporate planning. [16]
8. Given the following data, work out the minimum duration of the project and corresponding cost. [16]

Activity	Job	Time		Cost	
A	1-2	10	6	400	600
B	1-3	4	2	100	140
C	2-4	6	4	360	440
D	3-4	8	4	600	900
E	2-5	8	6	840	1100
F	4-6	6	2	200	300
G	5-6	10	8	1200	1400

II B.Tech II Semester Supplementary Examinations, November/December 2005

MANAGEMENT SCIENCE

(Electronics & Telematics)

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

Answer any FIVE Questions
All Questions carry equal marks

1. Explain operative functions of management. [16]
2. (a) Explain and evaluate line and staff organization.
 (b) Where do you find it useful? [10+6]
3. (a) What is the concept of control chart for variables?
 (b) How will you construct them? Illustrate. [8+8]
4. (a) How does marketing differ from selling?
 (b) What are the functions of a marketing manager? [6+10]
5. How can Human Resource manager bring about HR orientation in an organization and what are the implications? [16]
6. What is recruitment? Evaluate different the sources of recruitment. [16]
7. What are the factors of external and internal environmental to be considered for formulating the strategy? Explain. [16]
8. 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: [16]

Sl. No.	1	2	3	4	5	6	7	8	9
Activity	1-2	1-3	2-4	3-4	4-5	5-64	3-5	5-7	6-7
Activity	6	8	7	12	3	5	7	11	10

II B.Tech II Semester Supplementary Examinations, November/December 2005

MANAGEMENT SCIENCE

(Electronics & Telematics)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is the significance of Hawthorne experiments for management?
(b) Explain the Maslow's Theory of Hierarchy of Human Needs. [8+8]
2. (a) What do you understand by decentralization?
(b) How do you determine the need for decentralization? Explain. [8+8]
3. (a) What is the Work Sampling?
(b) How do you use work sampling to arrive at the standard time? [6+10]
4. (a) Describe the various stages of product life cycle.
(b) Explain how strategies keep changing in time with changes in the stages of product life cycle? [8+8]
5. (a) What do you understand by 'Human Resource Management'?
(b) What are its elements?
(c) What is its importance to organizational development. [5+5+6]
6. What is the purpose and importance of merit rating? How do you carry it out? [16]
7. (a) What do you understand by environmental scanning?
(b) What is its importance? [8+8]
8. What is meant by 'crashing' of network? Give step by step procedure for crashing. Illustrate with an example of your choice. [16]

II B.Tech II Semester Supplementary Examinations, November/December 2005

MANAGEMENT SCIENCE

(Electronics & Telematics)

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

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Discuss the main components of Theory of Scientific Management.
 (b) How has it influenced the thinking of managers? Explain. [8+8]
2. Explain the concepts of line, line & staff and functional organizations. Also illustrate. [16]
3. What is a fixed position layout and under what conditions do you adopt it? Explain. [16]
4. (a) What are the factors that determine the choice of channels of distribution?
 (b) Why do manufacturers favour intermediaries. [8+8]
5. What is Human Resource Management? Is it different from personnel management and Industrial Relations (PMIR)? [16]
6. Explain how manpower planning helps to evolve different HR strategies. [16]
7. Identify the factors that are to be diagnosed in external and internal environment of a business organization. [16]
8. A small project consists of the following activities with the given time estimates.

	Estimated duration in month		
Project event- successor event	Optimistic time (t_o)	Most likely time (t_m)	Pessimistic time (t_p)
1-2	2	2	14
1-3	2	8	14
1-4	4	4	16
2-5	2	2	2
3-5	4	10	28
4-6	4	10	16
5-6	6	12	30

- (a) Draw the network,
- (b) calculate the average expected time for each activity,
- (c) calculate the earliest expected time and latest allowable time for each event,
and

- (d) determine the critical path considering project completion time of 36 months.
[4×4]
