

**II B.Tech. II Semester Regular Examinations, April/May -2005**  
**MANAGEMENT SCIENCE**  
**(Electronics & Telematics)**

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

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

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1. Bring out the contrast between Theory X and Theory Y. Do you find people of these traits around you? Illustrate.
2. Explain the concept of organization as a process and as a structure.
3. How product layout is different from process layout? Explain both concepts with the help of diagram.
4. Explain the functions of materials manager?
5. What are the requirements for a successful Human Resource manager? Explain.
6. (a) What is Induction? What is the purpose of induction?  
 (b) What is the difference between Training and Development? Explain.
7. Identify the factors that are to be diagnosed in external and internal environment of a business organization.
8. Draw the net work and find project duration for the following project. Identify the critical path.

Activity	1-2	1-3	1-4	2-4	2-5	3-4	3-7	4-6	4-7	5-6	5-7
Time(months)	4	6	12	7	11	7	8	8	13	4	4

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1. Explain Hertzberg's Two Factor Theory of Motivation. How does it help the manager?
2. Why does 'organizing' assumes increasing importance in the modern times?
3. What do you understand by plant layout and what is its importance?
4. Explain the concept of Economic Order Quantity. Explain the variables that go into the determination of EOQ. Show how the formula is derived.
5. What is personnel management? what are its features and functions?
6. What is recruitment? Evaluate different the sources of recruitment.
7. How will you conduct SWOT analysis? Illustrate with an example.
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

Draw the network, calculate the average expected time for each activity, calculate the earliest expected time and latest allowable time for each event, and determine the critical path considering project completion time of 36 months.

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1. Explain how scientific management paved way for changes in the traditional mind-set.
2. What are the social responsibilities of management? Illustrate.
3. Compare and contrast product and process layout.
4. At the different stages of product life cycles, indicates the approach to methods pricing and distribution of a fast moving consumer product.
5. Is personnel management a line or staff function? Justify your answer?
6. What is recruitment? Evaluate different the sources of recruitment.
7. What are the basic concepts underlying corporate planning.
8. How do you compute the probability of completion of project within scheduled time for the following project nine activities. The expected of each activity is as follows:

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

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1. Explain Taylors theory of scientific management.
2. Explain and evaluate line and staff organization. Where do you find it useful?
3. What do you understand by product layout? Analyse the advantages and disadvantages of product layout.
4. What is promotion mix and what role does it play in marketing.
5. What is personnel management? what are its features and functions?
6. Explain and evaluate various methods of merit rating?
7. What are the detailed steps involved in corporate planning? Discuss.
8. What is the importance of cost analysis in project management and what do you understand by cost slope? Explain its significance.

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