

**Code No: 115EF****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, November/December - 2016****MANAGEMENT SCIENCE****(Common to AE, EEE)****Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****(25 Marks)**

- 1.a) What is the importance of Controlling function of Management? [2]
- b) With appropriate examples explain how Departmentalization can be adopted by an Organization? [3]
- c) What are the phases in Product Life Cycle? [2]
- d) What are symbols used for recording operations in production planning? [3]
- e) How is promotion different from Transfer? [2]
- f) How is Job analysis different from Job evaluation? [3]
- g) What is the significance of Dummy activities? [2]
- h) List out the rules for network construction. [3]
- i) Differentiate 'Vision' from 'Mission'. [2]
- j) What is Bench Marking and how does it benefit an Organization? [3]

**PART - B****(50 Marks)**

2. Explain in detail behavioral approach as an effective tool for attending Managerial problems. [10]

**OR**

3. What do you understand by 'Delegation'. Explain the process of Delegation and point out its advantages? Explain the barriers to effective Delegation. [10]
4. Name the various types of Production systems and critically evaluate each of them. To what type of production activities each of them are best suited? [10]

**OR**

5. With the help of neat diagrams, explain the following terms:
  - a) Economic Order quantity;
  - b) Lead time;
  - c) Safety stock;
  - d) Reordering point
  - e) Average inventory. [10]

- 6.a) What are the objectives of Human Resources Management?  
 b) Discuss the various factors that influence the selection of Training methods. [5+5]

**OR**

- 7.a) Distinguish between 'Performance Appraisal' and 'Merit Rating'.  
 b) Critically evaluate different methods of Performance Appraisal. [5+5]

8. The following table lists the jobs of a network along with the time estimates (in no. of days)

Job	optimistic	Most likely	pessimistic
1-4	3	9	27
1-3	3	6	15
1-2	6	12	30
4-5	1	4	7
3-5	3	9	27
3-6	2	5	8
5-6	6	12	30
2-6	4	19	28

Draw the network and determine project completion time. [10]

**OR**

- 9.a) Distinguish between Event and Activity.  
 b) Distinguish between Variance and standard deviation in project management.  
 c) Distinguish between Cost slope for project completion time. [3+4+3]

10. Elaborate the 'Strategic Management' process and explain the mechanism you would adopt so that the right strategic plan is formulated? [10]

**OR**

11. Answer briefly the following:  
 a) Environmental scanning and its purpose  
 b) Balanced score card. [5+5]

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