

Code No: 115EF

R13**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, November - 2015****MANAGEMENT SCIENCE****(Common to EEE, AE)****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) Explain the concept of 'Organization'. [2]
- b) What is the objective of decentralization? [3]
- c) Define the concept 'TQM'. [2]
- d) What is the significance of JIT System? [3]
- e) Name any two causes for 'Separation'. [2]
- f) What is the managerial importance of 'Capability Maturity Model'? [3]
- g) Distinguish between 'Event' and 'Activity'. [2]
- h) How can 'Project Crashing' influence time and cost? [3]
- i) Differentiate 'Goals' from objectives. [2]
- j) What do you understand by 'Strategy'? [3]

PART - B (50 Marks)

- 2.a) Describe the functions of Management.
 - b) Explain Maslow's theory of Motivation. [5+5]
- OR**
- 3.a) Discuss the different types of leadership styles.
 - b) Elaborate various social responsibilities of business. [5+5]
- 4.a) What are the major types of Plant Layout?
 - b) Explain the importance of Statistical Quality Control in manufacturing industry. [5+5]
- OR**
- 5.a) What are the various steps in Purchase procedure?
 - b) List out and explain the functions of Marketing. [5+5]
- 6.a) Identify the techniques of training under Off-the-Job training methods.
 - b) What is 'Grievance'? What are the steps involved while handling a Grievance? [5+5]
- OR**
- 7.a) Distinguish between 'Promotion' and 'Transfer'.
 - b) Evaluate various Analytical methods of Job-evaluation. [5+5]

- 8.a) How are activities classified?
b) What are the difference between PERT and CPM. [4+6]

OR

9. A project has been defined to contain the following list of activities, along with their required times for completion.

Activity	Time (days)	Immediate Predecessor
A	1	-
B	4	A
C	3	A
D	7	A
E	6	B
F	2	C,D
G	7	E,F
H	9	D
I	4	G,H

- a) Draw a Network diagram
b) Show the early start and finish times
c) Find the critical path. [10]

- 10.a) What are the characteristics of a Mission statement?
b) Explain about SWOT analysis with an example of your choice. [5+5]

OR

11. Define Corporate Planning and discuss the essential steps in Corporate Planning through a flow chart. [10]

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