

de No: 58007

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, May - 2016

MANAGEMENT SCIENCE

(Common to CE, CSE, IT, CEE)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

- 1.a) Describe the importance and functions of management.
- b) Briefly explain the Fayol's principles of management. [7+8]
- 2.a) What is decentralization? And explain the Line, Line and Staff, and Functional Organizations.
- b) What is Boundary less organizations? And explain the Lean and Flat organizations structures. [7+8]
- 3.a) Explain the significance of operations management and describe different methods of production.
- b) Describe the importance of statistical quality control and explain briefly different control charts. [7+8]
- 4.a) What is inventory control? And explain the salient features of ABC selective control technique.
- b) Explain the importance of marketing and explain its functions. [8+7]
- 5.a) Explain the importance of HRM and its evolution.
- b) What is welfare administration? And explain the salient features of Job evaluation and merit rating. [7+8]
- 6.a) Describe the importance of project management and explain the salient features of PERT and CPM.
- b) Consider a project consisting of nine jobs with the following precedence relations and average time estimates.

Job	Predecessor	Time(days)
A	-	30
B	-	20
C	A,B	20
D	A,B	20
E	B	10
F	D,E	10
G	C,F	40
H	D,E	20
I	G,H	30

- i) Draw the project network.
- ii) Identify the critical path.

[6+9]

- a) Explain the importance of Strategic Management and its Mission and Objectives.
b) What is Environmental Scanning? And explain the Generic strategy alternatives.
[7+8]
- 8.a) What is Just-In-Time system? And explain the salient features of TQM and CMM.
b) What is Value Chain Analysis? And explain the salient features of Bench Marking and Balanced Score Card.
[7+8]

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