

Code No: 56016

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year II Semester Examinations, December-2014/January-2015

INDUSTRIAL MANAGEMENT

(Common to ME, MCT, AME, MIE)

Time: 3 hours

Max. Marks: 75

Answer any five questions.

All questions carry equal marks

- 1.a) Define 'Planning' and explain the steps involved before finalizing a plan.
- b) Explain the Maslow's need hierarchy theory.
- 2.a) Distinguish between delegation of authority and decentralization.
- b) Explain salient features of functional organization. What are its advantages and limitations?
- 3.a) Explain various steps involved in work sampling to establish standard time. State its advantages and disadvantages over time study.
- b) Explain the single sampling plan with a flow chart. State its limitations.
4. DAT Inc produces digital audiotapes to be used in the consumer audio division. DAT lacks sufficient personnel in its inventory supply section to closely control each item stocked so assume that it has asked to you to determine an ABC classification. Here is a sample from the from the inventory

Item no	1	2	3	4	5	6	7	8	9	10
Annual use	700	200	2000	1100	4000	100	3000	2500	500	1000
Price	6	4	12	20	21	10	2	1	10	2

Develop an ABC classification for these 10 items and write a procedure to control A class, B class and C class items.

5. Discuss different stages of recruitment and selection. Explain through schematic diagrams the flow of work and main decisions required in a recruitment and selection programme.
6. The time estimates (in weeks) for the activities of a P.E.R.T network are given below:

Activity	Optimistic Time	Most likely time	Pessimistic time
1-2	1	1	7
1-3	1	4	7
1-4	2	2	8
2-5	1	1	1
3-5	2	5	14
4-6	2	5	8
5-6	3	6	15

- a) Draw the network.
- b) Determine the critical path and expected time to complete the project.
- c) If the project due date is 19 weeks, what is the probability of meeting the due date.

- 7.a) Distinguish between the terms Mission, goals, objectives and policy with example.
- b) List out various elements of corporate planning process and explain about any two in detail.
8. Explain the following practices briefly:
- a) Value chain analysis.
- b) Business Process Reengineering.
- c) TQM.

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