

R09

Code No: 56016

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech III Year II Semester Examinations, April - 2018****INDUSTRIAL MANAGEMENT****(Common to AME, ME)****Time: 3 hours****Max. Marks: 75****Answer any five questions
All questions carry equal marks**

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- 1.a) Explain theory X and theory Y of Management.
b) Explain the Fayol's principles of Management. [7+8]
2. What are the aims of departmentation? List out the various methods of departmentation. Explain any one in detail. [15]
- 3.a) What are the important objectives of good plant layout?
b) The following are X and R values of 20 sub-groups of five readings: [5+10]

sub group no	sample average X	Range(R)	sub group no	sample average	Range(R)
	1	2	3	4	5
1	34.5	4	11	35.8	4
2	31.6	4	12	38.4	4
3	30.8	2	13	34	14
4	33	3	14	35	17
5	35	5	15	33.8	5
6	33.2	2	16	31.6	5
7	33	5	17	28.2	3
8	32.6	13	15	31.8	9
9	33.8	19	19	35.6	6
10	37.8	6	20	32.3	4

Determine the two central lines and control limits for X and R charts. Comment on the process.

- 4.a) Describe the purchasing procedure to be adopted for a medium size industry.
b) Describe marketing mix with its basic elements. [8+7]
- 5.a) List out various wage incentive schemes. Explain any two in detail.
b) List out methods of Merit rating. Explain any two in detail. [8+7]

6. The following is a table showing details of a project;

Task	A	B	C	D	E	F	G	H	I
Least Time	5	18	26	16	15	6	7	7	3
Great Time	10	22	40	20	25	12	12	9	5
Most Likely Time	8	20	33	18	20	9	10	8	4

Determine the following:

- a) Draw the project network and the critical path.
 - b) The earliest and the latest expected time to reach each node.
 - c) The probability of completing the project with in 41.5 weeks [15]
- 7.a) Discuss the generic strategy alternatives.
- b) What is SWOT analysis? What is its significance? [8+7]
- 8.a) Describe ERP with suitable example.
- b) Discuss the implementation of Kaizen concepts in Indian manufacturing scenario. [8+7]

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