

4/6/14 AN

Code No: 09A60301

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year II Semester Examinations, June - 2014

INDUSTRIAL MANAGEMENT

(Common to AME, ME, MCT, MIM, MIE)

Time: 3 hours

Max. Marks: 75

Answer any five questions  
All questions carry equal marks

1. a) Explain the Principles of Fayol's management.  
b) List and explain the various social responsibilities of Management.
2. a) Describe the committee organizational structure with a suitable example and what are the advantages of it.  
b) What is meant by virtual organization and cellular organization?
3. a) Explain the job, mass and Batch production systems with suitable examples.  
b) Plot the control chart for X and R using the following sample data and a sample size of five. From the chart find whether the process is in control.

Sub group No	1	2	3	4	5	6	7	8	9	10
X	5.004	5.204	5.014	5.008	5.009	5.016	5.030	5.010	5.016	5.010
R	0.02	0.08	0.03	0.05	0.04	0.09	0.04	0.04	0.05	0.07

Take  $D_2=2.33$   $D_4=2.12$

4. a) A company requires 16500 units of raw material costing Rs 3 per unit. The cost of placing an order is Rs 48 and the carrying costs are 12% per year per unit of the average inventory. Determine:  
i) The economic order quantity      ii) Cycle time  
iii) Total variable cost of managing the inventory.  
b) Explain the Product life cycle with an example.
5. a) What is the role of HR manager in a software Industry?  
b) What are the various Job evaluation techniques and explain them clearly.
6. a) What are the differences between PERT and CPM.  
b) What is the role of a Marketing manager?
7. Explain the procedure to be adopted for conducting the SWOT analysis in a Car manufacturing Industry.
8. Write short notes on  
a) Supply chain management      b) Six sigma model      c) ERP

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