Code No: 09A60301

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
B. Tech III Year II Semester Examinations, November/December-2013
INDUSTRIAL MANAGEMENT
(Common to ME, MCT, AME, MIM)

Time: 3 hours   Max. Marks: 75

Answer any five questions
All questions carry equal marks
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1.   Explain the key features of McGregor's theory 'X' and theory 'Y'. How do these
       theories help to motivate the employees?   [15]

2.a)   State the various factors of decentralization. Distinguish between delegation of
       authority and decentralization.
  b)   Explain line and staff organization with a suitable example.   [15]

3.a)   State the characteristics of product layout. State its limitations over process
       layout.
  b)   Explain about working principle of double sampling plan with a flow
       chart. State its advantages over single sampling plan.   [15]

4.a)   A company requires 10000 units of an item per annum. The cost of
       ordering is Rs.100 per order. The annual inventory carrying cost is 20% of unit
       price. The unit price of the item is Rs.10. Calculate
        i) the economic order quantity
        ii) Optimal total annual cost
        iii) time between the orders.
  b)   Explain various aspects of stores management.   [15]

5.a)   Discuss the pre-requisites of a good recruitment policy.
  b)   List out various methods of job evaluation. Explain any two them in detail.
                                                                                    [15]

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. [15]

7.a) List out the various elements of corporate planning. Explain about any two in detail.

b) State the various steps involved in strategy formulation. [15]

8.a) Give overview of TQM,

b) State the benefits and pitfalls of bench marking. [15]

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