

K. J. SOMAIYA INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH

Program: MHRDM 2nd Sem (Batch 2018-21)

Subject: Production and Productivity Management
(End Semester examination)

Maximum Marks: -50
Duration: 3 hours

Date: 09 April 2019

Notes:

- 1. Question 1 and 2 are compulsory**
- 2. Answer any 3 out of remaining questions QNo. 3 to QNo. 6**
- 3. Make suitable assumptions if required and state them.**
- 4. Please answer to the point. Give examples wherever applicable**
- 5. Neatness carries weightage**

Question 1 (10 Marks)

A. The annual demand for an item is 14400 units. The ordering cost is \$30 per order. The economic order quantity Q is 600 units. Assume year has 300 days Calculate the ordering time between 2 orders (04 Marks)

B. You have been asked as a consultant to set up a plant for the manufacturing of ceramic products (crocery items) for retail purposes. How would you go about selecting a location for such a plant ? (06 Marks)

Question 2 (10 Marks)

Write Short notes on any 2 of the following (5 marks each)

- 1) Group Technology Layout**
- 2) Importance of Inventory for a business.**
- 3) MRP (Materials Requirement Planning)**
- 4) Limitations of Break Even Analysis**

Question 3 (10 Marks)

What is Product Development ? (3)

What do companies gain from it. ? (2)

With any product example, explain briefly how a company goes about doing product development ? (5)

Question 4 (10 Marks)

What do understand by Total Quality Management? (05)

How do the Quality management tools help in measuring or improving the quality of an organisation's product and processes. Write about any 2 tools/techniques you have studied.(05)

Question 5(10 Marks)

What are the various wastes in a production system. Discuss any 2 tools of JIT (Just in time Manufacturing)

Question 6(10 Marks)

What is "Production" and "Productivity" ? (4)

How does Productivity impact the nation.(3)

As a Human Resources person, write any 2 steps you will undertake to improve Productivity in your Organisation. (3)

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