

2053

B. Voc. (Logistic Management)

Fourth Semester

LEM-403: Production and Operations Management

Time allowed: 3 Hours

Max. Marks: 80

**NOTE:** Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer the following:-

- a) Characteristics of Product Design
- b) Types of Facility Layout
- c) Method Study
- d) Inventory Costs

(4x4)

**UNIT - I**

II. What do you understand by Production management and operations management? Describe in detail various types of production Systems. (16)

III. Discuss in detail the product development process and various product development techniques. (16)

**UNIT - II**

IV. Write short notes on following:-

- a) Location Analysis Techniques
- b) Objectives and advantages of facility layout

(2x8)

V. Describe in detail the various concepts related to Production planning and Control. What are objectives of PPC? (16)

**UNIT - III**

VI. Write short notes on following:-

- a) Work Measurement
- b) Just in Time

(2x8)

P.T.O.

(2)

- VII. How are production techniques like TQM and Six Sigma helpful in enhancing the efficiency of production systems? Elaborate with help of suitable examples. (16)

**UNIT - IV**

- VIII. What are the objectives of Inventory control? Discuss various inventory control tools and techniques. (16)

- IX. Write short notes on the following:-

- a) Maintenance Management
- b) Statistical Quality Control

(2x8)

x-x-x