

2056  
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. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer the following:-

- a) Define Production System.
- b) Characteristics of Product Design.
- c) Objectives of Inventory Control.
- d) Meaning of Work Measurement.

(4×4)

**UNIT – I**

II. What is Production and Operations Management? Explain its scope, functions and importance in modern organizations. (16)

III. Explain the product development process. Discuss various product development techniques used by organizations. (16)

**UNIT – II**

IV. What is facility location? Explain the factors affecting location decisions and describe different location analysis techniques. (16)

V. Define Production Planning and Control (PPC). Discuss its objectives, functions and importance in production management. (16)

**UNIT – III**

VI. Explain the concept of Work Study. Discuss method study and work measurement in detail. (16)

VII. Discuss modern production techniques such as Just-in-Time (JIT), Kanban system and Total Quality Management (TQM) with suitable examples. (16)

P.T.O.

(2)

**UNIT – IV**

VIII. What is Inventory Control? Explain the objectives, methods and tools of inventory control used in organizations. (16)

IX. Write detailed notes on:-

a) Maintenance Management

b) Statistical Quality Control

(16)

x-x-x