

2056
B. Voc. (Logistic Management)
Second Semester
LEM-203: Transportation and Distribution 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. Attempt any four of the following:-

- a) Define distribution in supply chain management.
- b) What are distribution channels?
- c) What is delivery lead time?
- d) Define multimodal transportation.
- e) What is freight consolidation?
- f) What is Geographic Information System (GIS)?

(4x4)

UNIT - I

II. Explain the role of distribution in the supply chain. Discuss transportation management and warehousing concepts in detail. (16)

III. Explain the concept of distribution models. Discuss their advantages, disadvantages, and prerequisites with suitable examples. (16)

UNIT - II

IV. Discuss the factors affecting distribution network planning. Explain the importance of delivery lead time and local facilities. (16)

V. Explain optimization techniques in distribution. Discuss the material management process and the role of transportation in supply chains. (16)

UNIT - III

VI. Explain various transportation models and their performance characteristics. How are these models selected? (16)

P.T.O.

(2)

- VII. Discuss the cost components and performance measures of transportation. Compare different modes of transportation with reference to cost and efficiency. (16)

UNIT - IV

- VIII. Explain transportation routing decisions and operations management. Discuss the role of cost negotiations and recent trends in transportation. (16)

- IX. Discuss the application of information technology in transportation. Explain the role of GIS, fleet management systems, and intelligent transport systems. (16)

x-x-x