

2055

B. Voc. (Logistic Management)

Sixth Semester

LEM-603: Fundamentals of Shipping and Port 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 any four of the following:-

- a) What is the difference between general cargo and specialized cargo?
- b) What distinguishes liner shipping from tramp shipping?
- c) What is the role of leasing in ship financing?
- d) Explain two key factors that influence the pricing of port services.
- e) What is vessel turnaround time?
- f) Why is waste management crucial in ports?

(4x4)

### UNIT - I

II. Explain the role of shipping in international trade. Discuss how maritime transportation facilitates global trade and economic development, and analyze the impact of shipping on supply chains and trade routes. (16)

III. Define liner shipping and explain its role in global trade. Discuss the characteristics of liner shipping, its operational framework, and how it differs from tramp shipping. (16)

### UNIT - II

IV. Define liquid bulk shipping and explain its significance in global trade. (16)

V. What are the challenges in enforcing marine pollution conventions, and how can compliance be improved? (16)

### UNIT - III

VI. Examine the strategic importance of ports in global supply chain management. How do modern ports integrate with logistics and transportation networks? (16)

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(2)

- VII. Evaluate the impact of digitalization and automation on port marketing and service efficiency. How are smart ports enhancing customer experience and operational performance? (16)

**UNIT -IV**

- VIII. Discuss the significance of cargo volume as a measure of port performance. How do ports optimize cargo handling capacity, and what are the key challenges faced in managing cargo flow? (16)
- IX. Discuss the major health and safety issues in port operations. What measures can be implemented to ensure a safer working environment for port workers and personnel? (16)

x-x-x