

2054

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. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer any four of the following:-

- a) Name two key conventions established by the IMO to enhance maritime safety.
- b) Briefly explain liquid bulk shipping business.
- c) What are marine pollution conventions?
- d) How can digital marketing strategies be employed to promote port services?
- e) Why is the speed of cargo handling an essential parameter in evaluating port performance?
- f) What is the purpose of a Port Community Computer System? (4x5)

UNIT - I

- II. Provide an in-depth overview of the main types of cargo ships, including container ships, bulk carriers, and tanker vessels. How does the design and purpose of each type contribute to their specific roles in the transportation of goods? (15)
- III. Classify and describe the main types of dry bulk ships, including bulk carriers, container ships, and general cargo ships. Discuss the specific characteristics and purposes of each type, highlighting their role in the dry bulk industry. (15)

UNIT - II

- IV. Discuss the geopolitical factors that can significantly affect the tanker markets. How do political tensions, trade disputes, and regional conflicts impact shipping routes, trade patterns, and the overall stability of the tanker industry? (15)
- V. Explain the fundamental role of marine insurance in the shipping industry. Discuss the types of risks covered by marine insurance, including hull and machinery, cargo, and liability insurance. (15)

UNIT - III

- VI. Explore the role of ports as crucial nodes in global trade networks. Discuss how ports serve as gateways for imports and exports, contributing to the efficiency of supply chains. (15)

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(2)

- VII. Examine the cost structures involved in providing various port services. Discuss how market forces, and economic conditions affect pricing decisions for port services. (15)

UNIT - IV

- VIII. What factors contribute to the calculation of vessel turnaround time in a port, and how do they impact overall port efficiency? (15)
- IX. Analyze the environmental risks associated with oil spills in port areas and the measures in place for preparedness and response. (15)

x-x-x