

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2024
Programme Name: MBA (ITLM)
Semester: III
Subject Code: PG22T3303
Subject Name: Intermodal Freight Transportation

Date: 11.12.2024

Max Marks: 60

Duration: 03 Hrs

Pass Marks: 30

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

1. A _____ can be defined as an accumulation of flows and infrastructure.

- a. Hubs b. Corridor c. Network d. Nodes

2. To increase its cargo volumes, _____ formed the first transcontinental double-stack rail services.

- a. American President Lines
b. Mediterranean Shipping Company
c. Orient Overseas Container Lines
d. Ocean Network Express

3. The ability to move a railway vehicle and its load on a particular part of the network depends on the height and width profile, known as _____.

- a. Block section b. Permissible capability
c. Loading gauge d. Network rail

4. In comparison to road haulage, the railway haulage has one of the following features..

- a. High variable costs and low fixed costs
- b. High fixed costs and low variable costs
- c. Low fixed costs and low variable costs
- d. None of the above

5. _____ of the Multimodal Convention specify that 'when goods are taken in charge by the multimodal transport operator, he shall issue a multimodal transport document that can as per the consignor, be in either negotiable or non-negotiable form'.

- a. Article 8
- b. Article 19
- c. Article 5
- d. Article 3

6. Direct transportation of goods, without consolidating them with other goods, is ideal in three of the following conditions. Identify the odd condition given below?

- a. Uniform cargo for movement
- b. Shorter distance to cover
- c. Small consignment size
- d. Shorter transport time

7. _____ is a discipline that deals with the application of advanced analytical methods to help make better decisions.

- a. Data Analysis
- b. Modelling
- c. Perspective analysis
- d. Operations research

8. _____ methods are often used in situations wherein there is uncertainty in the data of the system or the relationships between agents in the system are difficult to represent mathematically.

- a. Predictive
- b. Perspective
- c. Prospective
- d. Procedural

9. _____ concept was popularized by United Nation report 'Our Common Future' published in 1987.

- a. Sustainable development
- b. Environmental development
- c. Climate development
- d. Humanity development

10. _____ refers to the impedance vehicles impose on each other, due to the speed-flow relationship, in conditions where the use of a transport system approaches its capacity.

- a. Fatalities
- b. Visual intrusion
- c. Congestion
- d. Carbon footprints

Section B

Five Questions of 02 Marks each

11. How does an intermodal transport work?

12. Write a short-note on urban transport?
13. Distinguish inland waterways with coastal shipping?
14. Brief about the four components of models that are to be studied for using operations research in a system.
15. Give short detail on the three considerations of socially responsible companies in their decision process.

Section C

Seven Questions of 8 Marks each of which any 05 questions to be answered.

16. Explain the concept of inter-modal transportation highlighting its advantages and disadvantages?
17. How does multi-modal logistic parks help the logistics sector? Differentiate a EPZs from SEZs.
18. Discuss the two categories of intermodal rail freight activity. Explain the key variables for intermodal rail freight.
19. "Intermodal transport has to operate at high utilisation levels to compete with road and to some extent maritime transport." Discuss the intermodal service management processes to survive in the transport logistics.
20. "Movement of cargo from one point to another often, is not direct as it involves complex processes and is based on numerous parameters." Discuss the various intermodal transport networks.
21. "Over dimensional cargo (ODC) consignments are heavy haulage shipments and require specialized handling and equipment for their safe transport." Discuss the types of ODC along with the challenges and solutions for handling them.
22. "In measuring the environmental effects of logistics it is important to distinguish first-order and second-order impacts." Explain the external impact of freight transport.
