

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2023
Programme Name: MBA (ITL/PSM)
Semester: II
Subject Code: PG21/PG22T3203
Subject Name: Port and Shipping Management

Date: 15.11.2023

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. Which Indian state has the longest coastline :
 - a) Tamil Nadu
 - b) Kerala
 - c) Maharashtra
 - d) Gujarat

2. The term 'Ullage' means :
 - a) The depth of space above the liquid in a tank
 - b) The depth of liquid in a tank
 - c) The depth of a tank containing liquid
 - d) None of the above.

3. TPC of a ship means :
 - a) Value of the ship
 - b) Length of the ship
 - c) Weight require for ship to sink or rise by one centimeter

d) Length of Engine Room

4. SWL means :

- a) Safety in Weighing Lift
- b) Safe Weight for Lift
- c) Safe Working Load
- d) None of these

5. Average Turnaround Time of a port may be affected by :

- a) A decrease in the waiting time of ships
- b) An increase in the number of berths.
- c) A decrease in the working time at the berths.
- d) An increase in the terminal cargo-handling productivity.

6. The distance from ship/shore interface to storage should be maximum for:

- a) General cargo and containers
- b) Dry bulk cargo
- c) Liquid bulk cargo
- d) Ro/Ro cargo

7. Ship's "Official number" is assigned by:

- (a) Classification society
- (b) Flag state
- (c) Port state control
- (d) Owner of the vessel

8. Freeboard of a ship means :

- a) Level difference between waterline and main deck of a ship
- b) Level difference between bottom and waterline of a ship
- c) Level difference between loadline and main deck of a ship
- d) Level difference between winter and tropical loadlines of a ship

9. Which one of the following statements is correct?

- a) Port side of a ship means its left side and it is marked by a red beacon.
- b) Port side of a ship means its right side and it is marked by a red beacon.
- c) Port side of a ship means its left side and it is marked by a green beacon.
- d) Port side of a ship means its right side and it is marked by a green beacon.

10. Transit storage means :

- a) Short term storage in transit away from berth
- b) Short term storage in transit close from berth

- c) Long term storage in transit away from berth
- d) Long term storage in transit close from berth

Section B

Five Questions of 02 Marks each

- 11. Define GRT, NRT, LOA and LBP.
- 12. Name and briefly describe four challenges faced by shipping industries in twenty-first century.
- 13. Why a "No Trim" condition is required to be achieved before sailing of a dry bulk carrier after completion of export loading at any port?
- 14. Define a 'safe port' and 'green port initiative'.
- 15. Define TRT and briefly explain its utility as one of the important port marketing tools.

Section C

Seven Questions of 08 Marks each of which any 05 questions to be answered.

- 16. What is ballast water and explain its role in environmental pollution? In this respect, elaborate the concept of ballast water management. (4+4)
- 17. Differentiate between primary, secondary and tertiary hinterlands. Explain the role of the SEZ in the international business and in the business of a port. (3+5)
- 18. Define Ship management. Name ten services that a ship management company provides. (3+5)
- 19. Discuss three impacts of continuous increase in size of mainline container ships on ports of any country. Draw and label the diagram of a cargo vessel's draft marks in her midship. (3+5)
- 20. While planning for export operation for container and general cargo ships, why consideration of Ports of Call plays a major role? Why gearless ships are preferred for carriage of containers or dry bulk cargo? (4+4)
- 21. Differentiate (with examples) between natural and anthropogenic causes of disaster in the port sector. Write a brief note on Sagarmala Project as envisaged by the Government of India. (4+4)

22. Mention three differences between a liner and a tramp ship. Mention and explain any five reasons that should attract a shipper of general merchandise to send his cargo in container than in breakbulk form. (3+5)