

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – June 2025
Programme Name: MBA (PSM/ITLM)
Semester: II
Subject Code: PG21T3203/PG22T3203
Subject Name: Port & Shipping Management

Date: 04.06.2025

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 smart port is
 - a. Energy efficient
 - b. Practices sustainability
 - c. Digital
 - d. All the above
2. The positive attribute of a service port is
 - a. Central control
 - b. Good labour productivity
 - c. Cost control
 - d. Good marketing
3. The Indian major ports are regulated by
 - a. Indian Major Ports Act 2025
 - b. The Indian Ports act 1908
 - c. Major Port Authorities Act 2021
 - d. Major Port trust Act 1963
4. In a large container terminal, the reach stacker is usually used in the
 - a. Berth
 - b. Yard
 - c. Gate
 - d. None of the above
5. The ISPS code is to enhance the -----of ships and port facilities
 - a. Safety of ships and port facilities
 - b. Security of ships and port facilities
 - c. Digitization in ships and port facilities
 - d. None of the above

6. Which of the following port is being developed as a container transshipment terminal?
 - a. Vishakhapatnam
 - b. Mormugao
 - c. Hazira
 - d. Vizhinjam

7. A TRAMP vessel decides voyages based on
 - a. Market fluctuations in the short run
 - b. Long term market fluctuation
 - c. Does not react to market fluctuation
 - d. Pre advertised long term schedule

8. The 'operating cost per ton of cargo handling' can vary significantly based on factors like
 - a. Hinterland connectivity and Customs functioning
 - b. Labour productivity and equipment efficiency
 - c. Pre berth detention and berthing time
 - d. Average Tug deployment and pilot availability

9. The protective buffers, absorbing the impact energy of a vessel during berthing is
 - a. Tugs
 - b. Port crafts
 - c. Dolphins
 - d. Fenders

10. The introduction of invasive marine species is proposed to be avoided through implementation of
 - a. ISPS Code
 - b. Invasive species convention
 - c. Ballast Water Management convention
 - d. ISM code

Section B

Five Questions of 02 Marks each

11. Explain the key roles of the seaport in global trade and the regional economic development?
12. Explain the main duties of a shipping line and shipping agent of a port to make the port productive?
13. What are the challenges for the seaports with arrival of large container vessels?
14. Explain the recent initiatives undertaken by the Authorities to increase Coastal Shipping in India
15. Differentiate Mega ports and Smart Ports under Industry 4.0?

Section C

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

16. Describe three Operational KPIs and two financial KPI used to assess port performance?
17. How can ports achieve competitiveness and to gain competitive advantages under Porter's Competitive Port landscape?
18. What is transshipment port? Give an example and explain its role in global logistics?
19. Describe the concepts of sustainable green ports? What are the initiatives taken to achieve this?
20. Explain the various steps expected to be taken by the port management to reduce the average turnaround time of ships?
21. Define Port demand and Port Supply. What factors influence each.
22. Explain main financial and operational risks faced by the Shipping Companies in the 21st Century?
