

INDIAN MARITIME UNIVERSITY
(A Central University, Govt. of India)
End Semester Examinations – Dec 2019
M.B.A (Port and Shipping Management) /
(International Transportation and Logistics Management)
Semester -III
PG21T2302/PG22T2302 –Elements of Port Management

Date: 29-11-2019

Max Marks: 60

Time: 3 Hrs.

Pass Marks: 30

PART – A

Answer **all the questions**. All the questions carry equal marks.

12 x 1 = 12 Marks

1. is the shell of the ship and is usually designed for a particular trade in accordance with a ship owner's specification?
 - a) Hull
 - b) Draft
 - c) Super Structure
 - d) Star board
2.code is an international standard for the safe operation of ships and for pollution prevention as adopted by the IMO.
 - a) ISPS
 - b) SOLAS
 - c) ISM
 - d) MARPOL
3. is pumped in to maintain safe operating conditions throughout a voyage.
 - a) Ballast water
 - b) Heavy oil
 - c) Sand
 - d) Coal.
4. The tariff rates for all major ports in India are fixed by which of following authority.
 - a. Indian Customs Department
 - b. Indian Port Association
 - c. TAMP
 - d. Ministry of Shipping
5. In which of the following country the Port of Rotterdam is located.
 - a. Switzerland
 - b. Germany
 - c. Netherland
 - d. Greenland

6. Which country in the world has more numbers of largest ports.
 - a. Japan
 - b. United States of America
 - c. Canada
 - d. People's Republic of China
7. The solid parallel platform in a harbour with berthing facility on one side only is:
 - a) Pier
 - b) Quay
 - c) Wharf
 - d) Jetty
8. The IMO convention that covers the number of lifeboats and/or life rafts a ship should carry is called the
 - a) ISPS
 - b) SOLAS
 - c) MARPOL
 - d) IMO
9. An artificially constructed shelter for shipping
 - a) Port
 - b) Harbor
 - c) Dock
 - d) Lock
10. The difference between the loaded displacement and the light displacement is the weight that the ship can actually carry and is known as
 - a) Deadweight Tonnage
 - b) Gross Tonnage
 - c) Net Tonnage
 - d) Stowage
11. It undertakes and offers industrial and commercial services to its users which are not directly connected with their loading/discharging activity.
 - a) First generation port
 - b) Second generation port
 - c) Third generation port
 - d) Fourth generation port
12. _____ is a ship and shore interface or maritime intermodal interface and includes the usual places where ships wait for their turn.
 - a) Seaport
 - b) Gateway
 - c) A or B
 - d) None of them.

PART – B

Answer any **Five** of the following questions.

5 x 4 = 20 Marks

13. What are the major functions and features of a sea port?
14. List out important indicators through which the performance of the port is measured
15. Write short notes on (a) ISO 14001 (b) Lock (c) ISPS (d) UNCTAD
16. What is berth and different types of berths? Explain any two?
17. Compare and contrast the organizational structure of Indian Public limited port with the one of the Major Port Trusts of India?
18. Write notes on (a) custom house agents (b) Forwarding and clearing Agent (c) Stevedoring (d) Ship Chandelling
19. Describe the sequence of activities performed in a RoRo ship operation

PART - C

Question No.20 is compulsory and answer any three from the remaining five questions

4 x 7 = 28 Marks

20. Define containers and explain container handling equipment
 21. Explain various stages and generation of the port development
 22. What is ballast water management convention? (b) How will ships compliance be checked?
 23. Narrate the strength and weakness of the various types of alternative port management structure and ownership models prevailing in the world?
 24. Describe the five forces which will interact to shape the competitive landscape facing port authorities and port service providers?
 25. Explain the impact of Information technology and Digitalization in ports and terminals.
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