

INDIAN MARITIME UNIVERSITY

(A Central University, Govt. of India)

End Semester Examinations –June/July 2019

Semester-III

M.B.A (Port and Shipping Management) /

(International Transportation & Logistics Management)

Elements of Port Management (PG21T2302/PG22T2302)

Date: 18.06.2019

Time: 3 Hrs

Max Marks :60

Pass Marks: 30

PART-A

(Answer all the questions)

12 X 1 = 12

1. What names do we give to the category of costs that include quay handling and Storage charges?

- a) Berth Costs
- b) Shore Costs
- c) Wharfage
- d) Port Dues

2. Containers are stored in the container yard in a series of large, regular, rectangular areas marked out on the yard surface. What are those storage areas called?

- a) Blocks
- b) Rows
- c) Zones
- d) Lines

3. If most of the cargo passing through a particular berth follows the Indirect Route and there is a shortage of Quay Transfer Equipment on that berth, which one of the following would you think MOST LIKELY to be result?

- a) Import cargo piling up on the quay
- b) Export cargo piling up on the quay
- c) Road vehicles congesting the quay
- d) A shortage of inland transport vehicles

4. What do you mean by the Holding Capacity of a shed?

- a) Its total floor area in square metres
- b) How much cargo the shed contains at any moment
- c) The maximum quantity of cargo, in tonnes, it can hold when full
- d) The total volume of the shed, in cubic metres.

5. A cargo with a high Stowage Factor has which of the following characteristics?

- a) A small weight of it occupies a large space
- b) A large weight of it occupies a small space
- c) It has a low volume-to-weight-ratio

d) It is very heavy

6. What is the name given in a contract to the receiver of transported goods of a person or company to which the goods are being sent?

- a) Consignor
- b) Consignee
- c) Consignment
- d) Consolidator

7. Which one of the following terminals usually consumes the largest proportion of the land area?

- a) The quay area
- b) The container yard
- c) The 'special' area
- d) Examination areas

8. Which of the following indicators give a measure of utilization?

- a) Ship output per berth working hour
- b) Berth working time
- c) Ship turnaround time
- d) Tonnes per gang hour

9. Which of the following indicators give a measure of service?

- a) Equipment allocation time
- b) Berth waiting time
- c) Ship turnaround time
- d) Labour deployment time
- e)

10. Which one of the following is the BEST definition of Berth working time?

- a) The total time that a ship spends at berth
- b) The number of shifts in a day, less meal breaks
- c) That part of ship's time at berth for which labour is scheduled to work
- d) Ship's time in port minus Non-operational time

11. If a vessel arrives in port at 10.00 hours, berths at 23.00 hours on the same day, casts off at 11.00 hours two days later and leaves port at 12.00 hours on that day, what was her Turn Round Time?

- a) 13 hours
- b) 26 hours
- c) 36 hours
- d) 50 hours

12. Terminal activities are conventionally divided into a series of 'operations'; which operation corresponds to container 'arrival' for inbound containers?

- a) The ship operation
- b) The quay transfer operation
- c) The container yard operation
- d) The receipt/delivery operation

PART-B

(Answer any five questions out of seven) 5 X 4 =20

13. What are the major functions of a seaport in the present scenario?
14. Calculate the cost per tonne of cargo handled at our berth for annual throughput of a) 120,000t and b) 360,000t. Assume fixed costs of \$1.5 million per year and Variable costs of \$7.50 per tonne.
15. Define the following terms.
(a) Hinterland (d) Foreland (c) Transshipment Port (d) Cross Docking
16. Explain the role of the SEZ/EPZ in the international business?
17. What are the important performance indicators through which the performance of the port is measured?
18. Role and functions of four important Stakeholders of the port industry?
19. List and give the characteristics of the different Port Administration Models?

PART-C

(Question No 20 is compulsory and any three questions to be answered from the remaining) 4 x 7 = 28

20. Elaborate the key determinants of port choice in a competitive environment?
21. What is Environmental Management Systems (EMS)? How can an EMS help the port industries?
22. What is IMDG cargo? What are the nine classes of hazardous material?
23. What are the significant planning principles while developing seaport facilities?
24. What is the ISPS code? Who has to comply with ISPS code? What are the different security levels referred to in the ISPS Code? What are the other measures adopted in addition to the ISPS Code?
25. Describe the strength and weakness of Privatisation of the seaports in Indian context.