

**INDIAN MARITIME UNIVERSITY**  
(A Central University, Government of India)

**December 2016 End Semester Examinations**

**Third Semester – Master of Business Administration  
International Transportation and Logistics Management /  
Port and Shipping Management (2015 batch onwards)**

**Elements of Port Management (PG21T2302)/(PG22T2302)**

**Date : 17.12.2016**

**Time: 3 Hrs**

**Maximum Marks: 60**

**Pass Marks : 30**

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**SECTION –A**

**(12 x 1 = 12 Marks)**

**(Answer ALL the questions)**

**Choose the correct answer:**

1. Three of the following are normally included under conservancy functions of a port heading and one is not. Which one is not a Conservancy Function?
  - a) Dredging of deep-water access channels
  - b) Construction of wharfs and quays
  - c) Provision of navigational lights
  - d) Provision and maintenance of buoys and markers
  
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. 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
  
4. 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

5. Which of the following indicators gives a measure of Utilization?
  - a) Ship output per Berth Working Hour
  - b) Berth working time
  - c) Ship turnaround time
  - d) Tones per gang-hour
6. Which of the following is NOT normally considered a Fixed Cost?
  - a) Salaries of permanent staff
  - b) Interest on capital borrowed for equipment purchase
  - c) Wages of hourly-paid
  - d) Cost of berth construction
7. Which terminal facility usually takes up the largest proportion of the land area?
  - a) The quay
  - b) The container yard
  - c) The 'specials' area
  - d) Examination areas
8. Which document is used at the terminal gate to record the condition of the container and to acknowledge its receipt (for an export) or collection (for an import)?
  - a) The Delivery Order
  - b) The Collection Order
  - c) The Equipment Interchange Report
  - d) The Shipping Note
9. Containership capacity is normally expressed in Twenty-foot Equivalent Units (TEU), which is defined as the number of
  - a) 20' x 8' x 8'6" containers it can carry.
  - b) 20' x 8' x 8' containers it can carry.
  - c) 20' x 9' x 9'6" containers it can carry.
  - d) 20' x 8' x 8'8" containers it can carry
10. Where is port on a ship?
  - a) Front
  - b) left side
  - c) Back
  - d) Right-side
11. Who is responsible for classification of dangerous goods ?
  - a) Manufacturer
  - b) Shipper
  - c) Competent Authority
  - d) Port

12. Which one of the following is the corporatized port in India?

- a) Kamarajar Port Ltd
- b) V.O.Chidambaranar Port Trust
- c) Krishnapatnam Port
- d) Jawaharlal Port Trust

**SECTION-B**

**(5x 4= 20 Marks)**

**(Answer ANY FIVE Questions not exceeding 200 words. All Questions carry equal marks)**

13. What are the major functions and features of a seaport?

14. List out the important indicators through which the performance of the port is measured.

15. Explain the role and functions of four important Stakeholders of the port industry.

16. What are the factors affecting port development?

17. List and give the characteristics of the different Port Administration Models.

18. Define the following terms.

- |               |                                    |
|---------------|------------------------------------|
| (a) ISO 14000 | (b) BWM (Ballast Water Management) |
| (c) ISPS      | (d) HAZMAT                         |

19. Discuss the impact of ship technology on Port management.

**SECTION - C**

**(4 x 7 = 28 Marks)**

**(Question No.20 is compulsory. Answer any THREE from the remaining questions. Each Analysis/ Answer should not exceed 500 words)**

20. Discuss the key determinants of port choice in a competitive environment.

21. Discuss the utility of various cargo handling equipment of a container and bulk terminals of a port.

22. Narrate the steps to be observed by port authority for establishing a new container terminal in a seaport under PPP.

23. Seaports can be divided into various generations in terms of their level of modernity and openness to innovation- Discuss.

24. Describe the five forces which will interact to shape the competitive landscape facing port authorities and port service providers.

25. Elaborate the reasons why landlord port model is becoming popular in India for Greenfield projects.

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