

**INDIAN MARITIME UNIVERSITY**  
(A Central University, Govt. of India)  
**End Semester Examinations –Dec 2019/Jan 2020**  
**M.B.A** (Port and Shipping Management) /  
(International Transportation and Logistics Management)  
**Semester- III**

**PG21T2303/PG22T2303- Elements of Shipping Management**

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**Date: 30-11-2019**

**Max Marks: 60**

**Time: 3 Hrs.**

**Pass Marks: 30**

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**PART – A**

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

**12 x 1 = 12 Marks**

01. The first ship which loaded containers was in the year
  - a) 1956
  - b) 1965
  - c) 1945
  - d) 1979
  
02. The stowage of a container in a container ship is indicated as 120484 its stowage position is
  - a) 12th Row 04th tier and Bay 84
  - b) 12th Bay 04th Row and tier 84
  - c) 12<sup>th</sup> tier 04th Bay and 84th Row
  - d) 84th Bay 12th Row and 04th tier
  
03. Freeboard of a ship is the
  - a) Height of the deck from the water line
  - b) Passengers boarding the ship free of charge
  - c) Cargo carried free without any freight
  - d) Ship is free of any diseases and is free to enter port.
  
04. Liberian Ship registry is a
  - a) Offshore Registry
  - b) Closed Registry
  - c) Hybrid registry
  - d) Open Registry
  
05. Which of the below is not a function of the Bill of Lading
  - a) Receipt of Cargo
  - b) Contract of Carriage
  - c) Title of the goods
  - d) Contract between a Shipper and the Consignee.

06. PSC was introduced by IMO in the year
- 1978
  - 1965
  - 2000
  - 2015
07. Tropical Deadweight is ..... Summer deadweight
- More than
  - Equal to
  - Less than
  - None of the above
08. The person who is appointed to assess the cost of damage and the consequential damage when General Average is declared is known as
- Surveyor
  - Arbitrator
  - Classification Society Surveyor
  - Average Adjuster.
09. In Insurance, Deductible is
- The amount deducted from the premium
  - The amount deducted on the insured value
  - The amount that a ship owner is willing to accept to his own account in case of an incident
  - The amount which is the no claim bonus
10. Ullage is .....
- The depth of liquid in a compartment
  - The height of the free space from the surface of the liquid to the top of the compartment
  - Is the height of the upper most deck from water line
  - Is the volume of liquid cargo in a compartment.
11. Maritime Labour Convention (MLC) is a convention of the
- International Maritime Organization
  - International Labour Organization
  - SOLAS Convention
  - MARPOL Convention.
12. The No Cure No pay is under
- IMO Convention
  - SOLAS Convention
  - Salvage Convention
  - UN Convention.

## **PART – B**

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

**5 x 4 = 20 Marks**

13. Define Gross Tonnage, Net Tonnage and Deadweight Tonnage.
14. Name the types of Ship Registries – write a short note on the advantages of registering with an Open Registry.
15. Briefly describe the functions of a Classification Society.
16. Classify the various costs incurred by a Shipping Company under the heads of Capital, Operational and Voyage Costs.
17. List the various factors you need to consider establish quantity of cargo loadable in a voyage.
18. Write Short notes on Crude Oil Washing, why Crude Oil washing introduced was and what is the advantage of COW as compared to water washing.
19. What are the responsibilities of a Crew Management Company?

## **PART - C**

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

**4 x 7 = 28 Marks**

20. Following is the information with regard to an intended fixture for a voyage from New Castle to Ennore with a cargo of coal, vessel has to be positioned in Ballast from Sydney to New Castle, other details as below  
Cargo Thermal Coal 58,000 /+or - 5 percent MOLCO. Stowage Factor 1.4  
Load: 1 SB New Castle (Australia)  
Discharge: 1 SB Ennore (India)  
Laycan 10-15 Dec 2019  
Vessel Chennai Super King – Open Sydney (Australia) 10<sup>th</sup> Dec  
DWT 78000 MT on Summer Draft. Grain Capacity 85000 Cu. Mtr  
Charterers Guarantee loading of 59000 MT  
Load/Discharge rates 18000 n 15000 MT/day  
Consumption – IFO 380: Loaded 40 Mt/day at 14 knots  
                            IFO 380: Ballast 40 MT/day at 15 Knots  
                            MGO 3 tons at Sea and 2 tons in port  
IFO 380 – Usd 450/Mt and MGO Usd 640/MT  
Turnaround time 0.5 days each at both ends (Load and discharge ports)  
Port Costs – New Castle Usd 45000 n Ennore Usd 40000.  
Distance Sydney to New Castle 75 Nautical Miles  
Distance New Castle to Ennore 5544 Nautical Miles  
Daily hire Usd 14000/day  
Calculate the freight/ton to quote basis a profit of Usd 100000 for the voyage.

21. Draw the Organization Chart of a Ship Owning company and describe the function of these departments.
  22. List the type of Losses in Marine Insurance and differentiate between General Average and Particular Average.
  23. What is the necessity for ship owners to have P N I cover? Detail the functions of P N I Clubs, how they operate and the liabilities P N I covers.
  24. What is IMDG code and write out the classes under IMDG code. List the details to be provided in the MSDS
  25. Expand ISPS and give a brief on why and when was this code implemented. What are the various levels of security under the ISPS code and what do they signify?
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