

**INDIAN MARITIME UNIVERSITY**  
(A Central University established by an Act of Parliament in 2008)

**End Semester Examinations December 2017**  
**MBA (ITLM/PSM)-SEMESTER III**  
**Elements of Shipping Management (PG21T2303/PG22T2303)**

**Date:** 20.12.2017  
**Time:** 3 hours

**Max. Marks:** 60  
**Pass Marks:** 30

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**Part- A**

**Choose the most appropriate answer**

**(12 x 1=12)**

1. Deadweight of Valemax bulk carriers is about
  - a. 150000 MT
  - b. 25000 MT
  - c. 250000 MT
  - d. 350000 MT
2. Father of Marine Containerisation is
  - a. Malcolm Marshall
  - b. Malcolm Maclean
  - c. Marc Zuber
  - d. Martyn Mcmohan
3. Light Displacement of the ship is the weight of the
  - a. Cargo she can carry
  - b. Weight of the ship excluding cargo, fuel, stores, water and ballast.
  - c. Weight of the ship with the cargo loaded
  - d. Weight of the ship with all her stores fuel and freshwater.
4. Which of the below registry is not a Flag of Convenience
  - a. Liberia
  - b. Panama
  - c. Australia
  - d. Marshal Islands
5. Which of the below is covered by Protection and Indemnity Club
  - a. Third party claims
  - b. Hull and Machinery
  - c. Cargo claims
  - d. Collision Claims
6. Courses of action a PSCO may impose on a ship with deficiencies
  - a. Deficiencies can be rectified within 14 days for minor infractions.
  - b. Deficiencies to be rectified before the ship can depart the port.
  - c. Detention of the ship.
  - d. Any of the above.
7. Certificate of Class is issued to the ship after construction to the Class Regulation by
  - a. Flag State
  - b. Port State Control

- c. Classification Society
  - d. None of the above
8. The Call money paid for Entry with a Protection & Indemnity club generally falls due every year on
- a. 1<sup>st</sup> January
  - b. 31<sup>st</sup> March
  - c. The annual survey date of the Cargo Ship Construction Certificate
  - d. 18<sup>th</sup> Feb
9. 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.
10. MSDS expands as
- a. Masters Ship Data Sheet
  - b. Materials Description Sheet
  - c. Metal Specification Data Sheet
  - d. Material Safety Data Sheet
11. A ships Safe Manning certificate is under the purview of
- a. SOLAS Regulation
  - b. Classification Society Rules
  - c. ISM certification
  - d. IOPP requirements.
12. Expand STCW .....

**Part B – Answer any 5 of the below 7 questions**

**5 x 4=20 Marks**

13. Define Gross tonnage and Nett tonnage and explain the difference between them. Give one examples each of where Gross tonnage and Net tonnage is used.
14. Briefly differentiate between General Average and Particular Average and give one example for each.
15. Identify which of the below expenses are to the account of Charterer and which to the account of Owner for a time chartered vessel –
- Bunker Cost, Crew Wages, Canal Dues, H & M insurance, Ships Spares, Cargo Loading discharge cost, Crew Repatriation, Port dues.
16. What is Plimsoll mark & draw the plimsoll mark and the load lines as would be seen on the starboard side of the ship, ensure to indicate the following symbols in their right positions ( S, W,T, F,TF ).
17. What is IMDG code, into how many classes are Dangerous goods classified and list the category along with the class.
18. What is ISPS code and in brief describe the reason for implementation of the ISPS Code.

19. Port state Control Inspections have reduced the operation of sub standard ships.  
Discuss this statement in your own words.

**Part-C - Question No 20 is Compulsory answer any 3 more from this group 4 x 7 =28 Marks**

20. Calculate the break even freight per ton for the below intended cargo fixture:

Vessel – M V Kasturba – Panamax bulk carrier

Cargo Quantity 70000 MT,

Loading rate – 14000 MT/day. Discharge rate – 35000 MT/day.

POL – Murmagoa, INDIA , POD – Kawasaki, Japan

Speed – 14 kts at 35 ton/day loaded and 14 kts at 33 ton/day in Ballast

Bunker price Goa – IFO 380 – Usd 385/MT and MGO – 565/MT

Murmagoa – Kawasaki – Distance 6085 NM

Port Charges Goa – Usd 45000, Port Charges Kawasaki – Usd 32000

Chartering in cost Usd 10000/day.

21. Draw an Orgo chart of a Ship owner office managing his own vessel and describe the functions of the various departments.

22. Classification Societies – In detail explain the functions of a Classifications Society.  
Expand IACS and name atleast two members of IACS.

23. Describe the working of Protection and Indemnity Clubs and give example of a few liabilities these P N I Clubs indemnify the Owners from.

24. Name three major solid bulk cargoes and identify some of the major routes of two of these bulk cargoes. Briefly describe the special precautions that you need to observe of at least one of these bulk cargo.

25. Discuss the main objectives of the ISM code and the reason for its adoption. With regard to ISM code what is DOC, SMS and DPA.

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