

**Indian Maritime University**  
**(A Central University, Govt of India)**  
**End Semester Examinations – June 2024**  
**Programme Name: B Sc (NS)**  
**Semester: IV**  
**Subject Code: UG21T5403**

**Subject Name: CARGO HANDLING AND STOWAGE PAPER II**

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Date: 04.06.2024

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

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General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

All Question compulsory ( 10 x 1mark = 10 marks) Ten MCQs/Fill in the Blanks – Choose the correct answer as applicable.

1. Mate's receipts are issued by
  - A. Chief Officer
  - B. Agent
  - C. Stevedore
  - D. Shipper
  
2. Test load of lifting appliance shall be \_\_\_\_\_ for SWL up to 20 tonnes
  - A. 15 % in excess of SWL
  - B. 25 % in excess of SWL
  - C. 10 % in excess of SWL
  - D. 30 % in excess of SWL
  
3. . \_\_\_\_\_ must be used for transport purposes on documentation/labelling etc for IMDG cargo.
  - a) Proper Shipping name
  - b) Actual shipping Name
  - c) International Shipping name
  - d) IMDG Shipping name

4. Which document serves as a contract between the shipper and the carrier, specifying the terms and conditions of cargo transportation?  
A. Bill of Lading B. Packing List C. Certificate of Origin D. Commercial Invoice
5. What are the high-density cargo?  
A. Cargoes that have a SF more than 0.56 m<sup>3</sup>/tonne  
B. Cargoes that have a SF less than 0.56 m<sup>3</sup>/tonne  
C. Cargoes that have a SF between 1m<sup>3</sup> to 2m<sup>3</sup>/tonne  
D. All of the above
6. During hold inspection, why is it important to consider previous cargo types?  
A. To speed up the inspection process  
B. To determine the colour of the next cargo  
C. To assess potential contamination risks  
D. To decide on the cargo loading sequence
7. \_\_\_\_\_ is any material used on the tank top, between tiers of packages, along shipside, bulkheads for the purpose of avoid direct contact with ships steel.
8. On Bulk carriers Hold, ballast and dry space must be fitted with approved \_\_\_\_\_, to comply with the SOLAS XII Regulation 12.
9. \_\_\_\_\_ cargoes are those which have an inherent moisture content that can interact with the air.
10. MFAG stands for \_\_\_\_\_

### **Section B**

**Answer all questions ( 5 x 2marks = 10 marks)**

11. What is the main purpose of maintaining chain register on board ships?
12. What are the documents required prior loading solid bulk cargo?
13. What is the importance of checking bilge suction?
14. Name various test for the water tightness of Hatch Cover?
15. What is meant by Document of Authorisation for Grain cargo?

**Section C**

**Seven Questions of 10 Marks each of which any 05 questions to be answered. (5x 10marks = 50 marks)**

16. (2 x 5marks = 10 Marks)

- a) Inspections and checks to be done before loading dangerous goods?
- b) State importance of Marking, Labelling and Placarding.

17. (2 x 5marks = 10 Marks)

- a) Explain any 5 hazards involved with the carriage of Timber deck cargo?
- b) What are the preparations done prior loading of Timber deck cargo?

18. (10 Marks)

What precautions will you take to mitigate the hazards while carrying grain cargo as stated in IMO Grain code?

19. (2 x 5 marks = 10 Marks)

- a) What are the actions to be taken in the event of encountering heavy weather with Deck Cargo?
- b) What are precautions that should be taken to ensure unobstructed view from the navigation bridge with reference to cargo loaded on deck?

20. (2 x 5 marks = 10 Marks)

- a. What do you understand by High-Density Bulk Cargo?
- b. What Precautions you shall take while planning and loading the High-Density Bulk cargo?

21. (2 x 5 marks = 10 Marks)

- a) Write a short note on MSDS.
- b) List out the precautions to be taken while using forklifts.

22.

- a) What is meant by Charter Party? Name 3 types of ship charters? (7marks)
- b) Explain what is a note of protest and when will you issue this? (3marks)

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