

**Indian Maritime University**  
**(A Central University, Govt of India)**  
**End Semester Examinations – December 2025**

**Programme Name: MBA (PSM/ITLM)**

**Semester: III**

**Subject Code: PG21/22E3303**

**Subject Name: Hazardous Cargo and IMDG Code**

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Date: 17.12.2025

Max Marks: 60

Duration: 03 Hrs

Pass Marks: 30

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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**

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

1. "Corrosive Substances" fall under \_\_\_\_\_ of hazardous cargo classifications.
  - a. Class 6
  - b. Class 3
  - c. Class 8
  - d. Class 2
2. \_\_\_\_\_ is a deadly phenomenon that occurs when all combustible materials in a room reach their ignition temperature simultaneously.
  - a. Flashover
  - b. Spillover
  - c. Explosion
  - d. Fire
3. Ensuring that \_\_\_\_\_ are available and understood by all crew members on board the ship, providing detailed information on hazards and handling procedures.
  - a. Engineering controls
  - b. Safety Data Sheets
  - c. Personal Protective Equipment
  - d. Administrative Controls
4. The Packing Group (PG) I, of air cargo, represents that .....

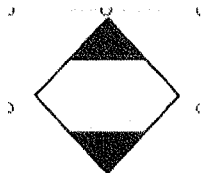
  - a. represents great danger
  - b. represents no danger
  - c. represents medium danger
  - d. represents low danger

5. As per the IATA DGR, which of the following training is required for shippers and packers, freight forwarders, operators and ground handling agents, and security screeners, alike.
  - a. Classification
  - b. Packing instructions
  - c. Labelling and marking
  - d. Limitations

6. \_\_\_\_\_ are large rigid or flexible packagings of a capacity up to 3,000 litres and are designed for mechanical handling.

- a. Intermediate Bulk Containers
- b. Large Packaging
- c. Bulk Containers
- d. Portable Tanks

7. The symbol represents...



- a. Exceptional quantity
- b. General quantity
- c. Expected quantity
- d. Limited quantity

8. Which of the following dangerous goods is represented by UN Number 1203?

- a. Alcohols N.O.S.
- b. Lithium Metal Batteries
- c. Gasoline
- d. Flammable Liquids

9. Larger placards, \_\_\_\_\_ in size are required on the exterior of cargo transport units (on all four sides) to alert all personnel, especially emergency responders, to the presence and nature of the hazards inside.

- a. 250mm X 250 mm
- b. 200mm X 200 mm
- c. 500mm X 500 mm
- d. 250mm X 200 mm

10. Which of the following is not mandatory for checking by a DG approver to check the compliance with IMDG code for

- a. Material of packing
- b. Inner packing details
- c. Quantity for package
- d. Type of packing

### **Section B**

Five Questions of 02 Marks each

- 11. Describe "hazardous cargo" and provide an example.
- 12. What are the objectives of IMDG code? When IMDG Code has become mandatory.
- 13. What is indicated by the mark "Marine Pollutant", and what convention is it related to?
- 14. What critical information must be included in a Dangerous Goods Declaration (DGD)?
- 15. What action should be taken if a leaking hazardous cargo container is discovered on the deck of a ship?

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### **Section C**

Seven Questions of 8 Marks each of which any 05 questions to be answered.

16. Describe in detail the common causes of DG cargo accidents.
17. Explain the concept of Fire Triangle?
18. Discuss identification and prevention of exposure to hazardous material in relation to maritime safety.
19. "The Dangerous Goods List of air cargo is divided into 14 columns for each of the individual dangerous goods". Comment.
20. Explain the contents of shipper's declaration of dangerous goods of air cargo.
21. What is Material Safety Data Sheet? Explain its purpose and contents?
22. List the steps involved in booking and accepting dangerous cargo.

