

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – December 2023
Programme Name: MBA (ITLM/PSM)
Semester: 3

Subject Code: PG21E3303/PG22E3303
Subject Name: HAZARDOUS CARGO AND IMDG CODE

Date: 15.12.2023

Max Marks: 60

Duration: 03 Hrs

Pass Marks: 30

Section A

1 x10

1. International Maritime Dangerous Goods Code is accepted by the Maritime Safety Committee as an international guideline:
 - a. For transportation of dangerous goods by all modes of transport
 - b. For transportation of Dangerous goods by air
 - c. For transportation of dangerous goods by road
 - d. For transportation of dangerous goods by sea
2. IBC in IMDG code refers to
 - a. Intermediate Bulk Container
 - b. International Bulk Container
 - c. International Bulk Cargo
 - d. International Bulk Carrier
3. The latest amendment to IMDG code is
 - a. 41- 22
 - b. 41- 23
 - c. 40- 21
 - d. 41- 20
4. First General rules for the IMDG code was adopted in
 - a. 1967
 - b. 1969
 - c. 1958
 - d. 2004
5. The minimum dimension of labels that needs to be on a IMDG package should be
 - a. 100 mm x 100 mm
 - b. 50 mm x 50 mm
 - c. 200 mm x 200 mm
 - d. 150 mm x 150 mm
6. When an IMDG cargo is packed in Group I the cargo has properties
 - a. Great Danger
 - b. Medium Danger
 - c. Low Danger
 - d. No Danger
7. MSDS expands as
8. The UN Number of a hazardous Cargo consists of Digits

- a. 4
 - b. 3
 - c. 2
 - d. No fixed number of digits
9. A cargo has its class marked as 2.3 its class is
- a. Flammable Gas
 - b. Toxic Gas
 - c. Flammable solids
 - d. Flammable liquid
10. Present Edition of IMDG Code published in
- a. 2021
 - b. 2023
 - c. 2022
 - d. None of the above

Section B

Answer all Question

5 x 2

- 11. What are the objectives of IMDG code
- 12. Define Hazardous Materials. Give two examples
- 13. Expand DGR. Which is the present edition of DGR and what does it apply to?
- 14. Which Class of IMDG cargo do these labels indicate



- 15. You have 2 different classes of DG cargo and as per the IMDG segregation table the cargoes are to be "separated from", briefly explain what does separated from in Segregation of IMDG Cargoes.

Section C

Any 05 questions to be answered.

5 x 8

- 16. a. Why IMDG Code - briefly give in your words the necessity of IMDG Code 4
- b. Elaborate the objectives of IMDG code 4
- 17. List the various classes as per IMDG Code 8
- 18. List the volumes and contents of the IMDG Code and explain briefly on any two of these parts. 8
- 19. a. In the IMDG code what is Limited and Excepted quantity and where can this information be found. In the attached abstract from IMDG code provide the

limited quantity for Substance with UN no 1060.

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Part 3 - Dangerous Goods List

UN-number (1)	Proper Shipping Name (PSN) (2)	Class or division (3)	Subsidiary risk(s) (4)	Packing group (5)	Special provisions (6)	Limited and excepted quantity provisions		Packing		IBC		Portable tanks and bulk containers			Emergency Schedule (15)	Stowage and segregation		Properties and observations (17)
						Limited quantities (7a)	Excepted quantities (7b)	Instructions (8)	Provisions (9)	Instructions (10)	Provisions (11)	(12)	Tank instr. (13)	Provisions (14)		Stowage and handling (16a)	Segregation (16b)	
1090	ACETONE (ACETONE SOLUTIONS)	3	-	II	-	1I	E2	P001	-	IBC02	-		T4	TP1	F-E, S-D	Cat. E.		Colourless, clear liquid, w characteristic mint-like od Miscible with water. Flashpoint: -20°C to -18°C Explosive limits: 2.5% to 1
1091	ACETONE OILS	3	-	II	-	1I	E2	P001	-	IBC02	-		T4	TP1 TP8	F-E, S-D	Cat. B.		Light yellow to brownish, liquids. Immiscible with w Flashpoint: -4°C to 8°C c.i

b. In the Emergency column schedule what is indicated for the substance with UN number 1060

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20.a. What are the documents to be provided by the carrier for transportation of dangerous cargo

2

b. Expand MSDS and what are the various information which need to be provided in the MSDS

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21. a. When is a IMDG Placard used and what are its dimensions. In an ISO container where are the placards displayed on the container

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b. With a free hand drawing draw the images depicted in 3 IMDG class placards and identify them. (Note - It is adequate to write the background colour and the font colour if you are unable to colour the placards as per the required colour - e.g Red background with symbol colour and the class number).

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22. You are envisaging to accept a DG cargo container for shipment by sea, what are the documentation and operational steps you are required to follow.

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b. If you were to see this Hazard warning label what would you conclude about the cargo contained in that package

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