

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – June 2026
Programme Name: B Sc (NS)

Semester 4

Subject Code: UG21T6401

Subject Name: CONTINGENCY PREPAREDNESS

Date: 12.06.2026

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

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 of 01 Mark each – Choose the correct answer.

1. What is the primary purpose of the Muster List (Station Bill) on board a ship?
 - a. To record voyage data like a "black box".
 - b. To assign specific emergency duties to every crew member.
 - c. To automatically track and monitor vessel movements.
 - d. To provide long-range identification and tracking of ships.
2. Which ship's compartment is most prone to fire hazards, burns, sharp objects hazards?
 - a. Engine Room
 - b. Galley
 - c. Accommodation areas
 - d. Cargo Hold
3. Which signal represents the General Emergency Alarm on board a ship?
 - a. Three long blasts on the whistle.
 - b. Seven short blasts followed by one long blast.
 - c. Continuous ringing of the ship's bell.
 - d. One long blast on the whistle.
4. What should be done if mooring lines part at berth?
 - a. Release all remaining mooring lines & leave the berth
 - b. Inform the deck crew & pick up the gangway
 - c. Secure the vessel using additional mooring lines & tugs if necessary
 - d. Report to the berth and waiting for action from port
5. Which search pattern is used when the position of the search object is known with reasonable accuracy and the search area is small?
 - a. Parallel Track Search.
 - b. Sector Search.
 - c. Expanding Square Search.
 - d. Track Line Search.
6. In event of collision, what should be done first?

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- a. Continue sailing
 - b. Immediately deploy rocket parachute flare to inform other vessels
 - c. Increase speed to move away from the other vessel
 - d. Sound the General Emergency alarm & assess the damage
7. During a piracy attack, what is the "Citadel"?
- a. The bridge where the Master commands the vessel.
 - b. A designated safe room where crew can retreat and await assistance.
 - c. The engine room control station.
 - d. The cargo hold where valuable goods are stored.
8. Which of the below is not a part of your PPE?
- a. Hand Gloves
 - b. Coveralls
 - c. Helmet
 - d. Sunglasses
9. Which document provides guidelines for ships involved in Search and Rescue (SAR) operations?
- a. SOLAS Manual
 - b. IAMSAR Manual Volume III.
 - c. MARPOL Annex I.
 - d. ISM Code.
10. Who should carry out Risk Assessment on board ships?
- a. Cadets with one-year sea service
 - b. Trainee seaman
 - c. Passengers
 - d. Ship's Safety Officer

Section B

Five Questions of 02 Marks each

- 11. State two specific limitations while using an Automatic Pilot system during emergency situations.
- 12. What is the importance of clear & concise communication
- 13. List two advantages of dividing the crew into different teams during emergency response as per the Muster List.
- 14. Explain the importance of the Citadel during piracy attack
- 15. What is the difference between Speed Over Ground (SOG) and Speed Through Water (STW), and when is each typically used during SAR operations?

Section C

Answer any five question from seven (5 x 10 marks = 50 marks)

16. Describe the actions to be taken on receipt of a distress message.
17. Explain the contents of a Muster List.
18. List the procedure & precautions to be taken during helicopter operations
19. Describe the Salient Features of the IAMSAR Manual Volume III and explain how IAMSAR Vol III assists the On-Scene Coordinator (OSC).
20. Describe the precautions to be taken while manoeuvring the ship prior to the launching of lifeboat or rescue boats.
21. Explain the actions to be taken in a man overboard scenario
22. Describe the precautions to be taken prior & during entry into enclosed Spaces

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