
Indian Maritime University
(A Central University, Govt of India)

Mar/Apr'26 SE

Programme Name: B Sc (NS)

Semester: VI

Subject Code: UG21T5601

Subject Name: VOYAGE PLANNING AND ECDIS

Date: 25.03.2026

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
(ii) All the questions are compulsory

Section A

01 Mark each – Choose the correct answer as applicable.

1. Ascertaining the Charts and Publications needed for the Voyage is part of
 - a. Ordering
 - b. Appraisal
 - c. Monitoring
 - d. None of the above
2. The information for corrections to be carried out for a navigational chart can be found in
 - a) Company Manuals
 - b) Admiralty Chart Catalogue
 - c) Weekly Notices to Mariners
 - d) Ocean Passages of the World
3. INDSAR is applicable for the following region
 - a) Worldwide for all ships
 - b) All Ships in the Bay of Bengal and Arabian Sea
 - c) In the Indian EEZ
 - d) Indian Search and Rescue Region
4. In a Ship Reporting System, Sailing Plan is submitted
 - a. During Passage Planning
 - b. On Departure from a port in the system
 - c. Before Entry into the system
 - d. Both b and c

-
5. Whom will you inform in case of encountering Restricted Visibility
- a. Owner
 - b. Master
 - c. Bosun
 - d. Chief Engineer
6. Information on Pilot Services and VTS Reporting can be obtained from
- a. Ocean Passages of the World
 - b. Guide to Port Entry
 - c. Admiralty List of Radio Signals
 - d. Admiralty Sailing Directions
7. Fixing Positions as indicated in the Voyage Plan belongs to _____ stage of Voyage Planning.
- a. Appraisal
 - b. Monitoring
 - c. Execution
 - d. None of the above
8. What is the full form of INDSAR
- a. Indian Ship and Raft System
 - b. International Distribution of Search and Rescue
 - c. Indian Search and Rescue Computerised Ship Reporting System
 - d. Indian Coast Guard Search and Rescue
9. MF Voice frequency used for Distress, Urgency, Safety and Routine Calling is
- a. 8414.5 KHz
 - b. 2187.5 KHz
 - c. 2182 KHz
 - d. 4207.5 KHz
10. The Primary Function of the ECDIS is
- a. Replace Paper Charts
 - b. Reduce Workload on the Bridge
 - c. Safety of Navigation
 - d. Accurate information provider

Section B

Five Questions of 02 Marks each (5 x 2 marks = 10 marks)

- 11. Explain in brief about ENC.
- 12. Explain Chart Folio System
- 13. What is Weather Routing. Explain how it is helpful.
- 14. What is CATZOC. Explain in brief
- 15. In Passage Planning explain the Stage – Planning.

Section C

All the Questions compulsory (5 x 10 marks = 50 marks)

16. Discuss the limitations of ECDIS. (10 Marks)

17. In view of increasing accidents what needs to be done for effective Bridge Resource Management when

- a) Navigation in Coastal Waters (5 marks)
- b) Navigation with Pilot on Board (5 marks)

18. a) What is meant by Sea Areas as per GMDSS Regulations? (5 marks)

b) List the Equipment requirements for the Sea Areas A1 and A 2.

(5 marks)

19. List at least 10 difference between RNC (Raster Charts) and ENC (Vector Charts). (10 marks)

20. List out at least 10 publications that would be referred to plan a passage effectively. (10 marks)

TMI

TMI

TMI

TMI
