

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

End Semester Examinations – June 2023

Programme Name: B Sc (NS) Semester: 6

Subject Code: UG21T4601 Subject Name: Voyage Planning & ECDIS

Date: 24.05.2023

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

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

Section A

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

1. How are T&P Corrections made in the navigational charts.
 - a. Pencil
 - b. Violet Color Pen
 - c. Blocks
 - d. T&P corrections should not be applied on Charts

2. Passage Plan should be made from which point to which point?
 - a. Pilot Stn to Pilot Stn
 - b. Berth to Pilot Stn
 - c. Pilot Stn to Berth
 - d. Berth to Berth

3. The elements of Passage Planning in correct order is:
 - a. Appearance, Planning, Execution, Monitoring, Review
 - b. Appraisal, Review, Planning, Execution, Monitoring
 - c. Appraisal, Planning, Execution, Monitoring, Review
 - d. Approach, Planning, Exercise, Monitoring, Review

4. Guidelines for Voyage Planning is detailed in which of the following documents?
 - a. Solas Chap V
 - b. IMO Res A.893(21)
 - c. ISM Code
 - d. Voyage Planning Code

5. INDSAR was initiated by which of the following agency?

JWS

a. ISRO

b. Indian Navy

c. DGS

d. Indian Coast Guard

6. Which contour provides a boundary between safe and unsafe water

a) Deep contour

b) Shallow Contour

c) Safety Contour

d) Depth Contour

7. In ECDIS, ENC are classified as _____ type of charts.

a. Raster

b. Vector

c. Scanned

d. Paper

8. 3. Availability of ship repair facility at a port can be found in _____

a) Distance Tables

b) Mariners Handbook

c) ALRS

d) Guide to Port Entry

9. The satellite system which provides data and text communications on a store and forward basis, but does not offer voice communications is

a) INMARSAT-C

b) INMARSAT-B

c) INMARSAT-A

d) Fleet -77

10. For a passage from Mumbai to Kochi, which of the following publications will you use for obtaining coastal route information?

a. Sailing Direction – West Coast of India

b. Ocean Passage of World – Indian Ocean

c. Mariners Hand Book

d. Notices to Mariners

Section B

Five Questions of 02 Marks each

11. What information is available on a chart correction tracing? (any four)



- 12. What is UKC? How would you determine how much UKC to maintain in various legs of the passage?
- 13. What do you understand by the term "Least Time Track" in Weather Routing?
- 14. What do you understand by Bridge Resource Management.
- 15. List 4 types of information broadcasted under Nav Warnings.

Section C

Five Questions of 10 Marks each.

- 16. (a) Explain the general procedure for correction of charts using information from Weekly Notices to Mariners. {6 marks}
- 16. (b) List 4 publications which you would use for Paper chart Corrections. {4 Marks}
- 17. (a) Describe the Planning stage of a Passage Plan. {5 Marks}
- (b) List 10 pubs which you would use for Passage Plan Appraisal. {5 Marks}
- 18. (a) Write a short note on INDSAR and list its different reports. {5 Marks}
- (b) List any 5 objectives of Bridge resource Management. {5 Marks}
- 19. (a) Explain "Performance Standard of ECDIS"? {5 Marks}
- (b) Write a short note on ENC Chart Quality. How is Zone "A1" & "C" depicted on chart? {5 Marks}
- 20. (a) Explain various components of a Shipboard GMDSS Station. {5 Marks}
- (b) What is EPIRB? How does it work? Explain. {5 Marks}

===

[Handwritten signature]