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**Indian Maritime University**  
**(A Central University, Govt of India)**  
**Supplementary Examinations – September/October 2024**  
**Programme Name: B Sc (NS)**  
**Semester: VI**  
**Subject Code: UG21T5601**  
**Subject Name: Voyage Planning & ECDIS**

Date: 10.10.2024	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 as applicable.

1. Which method is not employed for receiving maritime safety information?  
a) AIS b) Navtex c) EGC Receiver d) HD NBDP
2. For a Man Overboard, which type of signal would be sent?  
a) Safety b) Distress c) Urgency d) Routine
3. The facility for ship repair at a port is listed in which document?  
a) Distance Tables b) Mariners Handbook c) ALRS d) Guide to Port Entry
4. What does the Electronic Navigation Chart's Zone of Confidence "U" signify?  
a) You are safe b) Underway c) Unassessed d) Useful
5. The responsibility for INDSAR lies with  
a) USCG b) Indian Coast Guard c) Indian Navy d) DG Shipping
6. Shore-based weather routing is considered to be  
a) Mandatory b) Recommendatory c) OOW's Discretion d) None of the above
7. The ALRS volume that contains anti-piracy contact details is  
a) Vol 1 b) Vol 2 c) Vol 3 d) Vol 4
8. The satellite system that facilitates data and text communications on a store-and-forward basis, excluding voice communications, is  
a) INMARSAT-C b) INMARSAT-B c) INMARSAT-A d) Fleet-77

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9. Which contour line is utilised as a boundary between safe and unsafe waters?  
a) Deep contour b) Shallow Contour c) Safety Contour d) Depth Contour

10. The development of a passage plan is required from  
a) Pilot point to Berth b) Berth to Pilot Point c) Berth to Berth d) All of the above

### **Section B**

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

11. Define Bridge Resource Management.
12. Define situational awareness.
13. Define Sea Area A1.
14. List publications required for coastal passage planning. (any four)
15. Name the four stages of passage planning.

### **Section C**

Five Questions of 10 Marks each. (5 x 10 marks = 50 marks)

16. a) Describe any five Features of ECDIS. (05 marks)
16. b) List any five disadvantages of ECDIS. (05 Marks)
17. List the functional requirements of GMDSS. (10 Marks)
18. (a) Write a short note on INDSAR and list its different reports. (5 marks)
18. (b) What factors should be taken into account before considering an ocean passage? (5 marks)
19. (a) List any 5 objectives of Bridge resource Management. (5 Marks)
19. (b) Write short notes on Sailing Directions. (5 marks)
20. Describe the Appraisal stage of a Passage Plan. (10 Marks)

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