

INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)

Time Bound Assignment

B.Tech(Marine Engineering)-Arrear Examinations

September/October 2020

Semester – II

Seamanship, Elementary Navigation & Survival at sea
(UG11T3201)

Time: 3 Hours

Max Marks:70

Date: 22-09-2020

Pass Marks: 35

Part – A (compulsory)

Answer the following (10x2=20 Marks)

1. Mention the position of these place on board :- main deck ,boat deck, bridge and poop deck.
2. Describe knots, bends and hitches.
3. What do you understand by flag etiquette.
4. What are the different types of anchor used on board?
5. What is pole star? Is it useful for navigation at southern hemisphere?
6. Why immersion suit are necessary ? Is it mandatory for each person on board?
7. What is master list?
8. What all pyrotechnics are there in a life boat?
9. Why compressed air bottle are carried in a fully enclosed life boat of tanker?
10. What are the main purpose of STCW convention?

Part – B

Answer any 5 out of 7 questions (5 x 10= 50 marks)

11. With a simple sketch briefly describe various parts of a ship?
12. What do you understand by Navigation Bridge? Describe any two Nautical instrument fitted in the bridge?
13. What maintenance, care and precaution are to be taken, with steel wire ropes used on board?
14. How is the anchor of a ship secured at sea? Discuss with necessary sketch.
15. What is MARPOL? What are its various annexure and its purpose?
16. What is the difference between rescue boat and life boat? Mention at least ten items, to be carried in a life boat?
17. How to tackle a man over board situation on board? Describe step by step procedure?