INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)

May/June 2017 End Semester Examinations

B.Tech. (Marine Engineering) Second Semester

(AY 2009-2014 batches)

Seamanship, Elementary Navigation & Survival at Sea

(UG11T1201/ UG11T2201)

Date : 10.06.2017 Maximum Marks: 100

Time: 3 Hrs Pass Marks : 50

PART – A **Marks: (10x3=30)**

(Question number 1 is compulsory)

1. Explain the following Terms:
   (a) Poop deck
   (b) Look out
   (c) Knot
   (d) GPS
   (e) Nautical mile
   (f) Flags used onboard ships
   (g) Keel
   (h) Rescue boat
   (i) Freeboard
   (j) Pyrotechnics

PART – B **Marks: (5X14 marks = 70)**

(Answer any FIVE of the following)

2. With a simple sketch briefly describe various parts of a ship.

3. What do you understand by Navigation Bridge? Describe any two Nautical instruments fitted in the bridge.

4. What are the types of ropes used on board ships and describe how we can avoid damage to mooring ropes during mooring operations.

5. What is MARPOL? What are its various annexures and its purpose?

6. Sketch and describe an "Anchor" briefly.

7. What is a speed log? Explain clearly any one type.

8. Explain the working principle of a marine sextant with a neat diagram.

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