

INDIAN MARITIME UNIVERSITY
(A Central University, Govt.of India)

May/June 2015 End Semester Examinations

SEMESTER – II, B.TECH (MARINE ENGINEERING)

SEAMANSHIP, ELEMENTARY NAVIGATION & SURVIVAL AT SEA (T 2201 / T 1201)

Date:04.06.2015

Time:-3 Hrs

Max.Marks:100

Pass Marks:50

Note : 1. Section “A” Compulsory carry 10 X 3 = 30 marks answer any five questions.
2. Section “B” answer any **Five** questions carry equal marks (5 X 14 = 70 marks.)

PART – A **(3 x10 = 30 Marks)**
(Compulsory Questions)

01. Explain the following Terms :
- | | |
|-------------------|-----|
| (a) Nautical Mile | (3) |
| (b) Knot | (3) |
| (c) Derrick | (3) |
| (d) Bow | (3) |
| (e) Chain / Cable | (3) |
| (f) Storn | (3) |
| (g) Free board | (3) |
| (h) Mast | (3) |
| (i) Cranes | (3) |
| (j) Keel | (3) |

PART – B **(5 x14 = 70 Marks)**
(Answer any five of the following)

- | | |
|---|------|
| 2. How do you man a vessel with crew / offices ? | (14) |
| 3. How is the globe is divided with international time, what is GMT ? | (14) |
| 4. What is speed log ? Explain any one. | (14) |
| 5. Sketch and describe an “Anchor”. | (14) |
| 6. With simple sketch describe various parts of a vessel. | (14) |
| 7. What do you understand by Navigation Bridge ? Describe any two Nautical instruments. | (14) |
| 8. What is Life Boat. Name various parts of a Life Boat. | (14) |
| 9. What is Rope work on a vessel ? Describe : (i) Moorings
(ii) Heaving Line (iii) Pilot Ladder. | (14) |
