

USN

--	--	--	--	--	--	--	--	--	--

10MR35

Third Semester B.E. Degree Examination, Dec.2015/Jan.2016
Elementary Navigation, Seamanship and Survival at Sea

Time: 3 hrs.

Max. Marks:100

**Note: Answer FIVE full questions, selecting
atleast TWO questions from each part.**

PART – A

- 1 a. Explain the places where will you hoist the flags and flag etiquette. (10 Marks)
b. Explain navigation lights and signals in detail with neat sketch. (10 Marks)
- 2 a. Explain dropping of anchor in detail. (10 Marks)
b. What are the day night signals you will give during anchorage? (04 Marks)
c. Explain cable stopper. (06 Marks)
- 3 a. Explain sextant in detail. (10 Marks)
b. Explain Echo sounder in detail with sketch. (10 Marks)
- 4 a. Explain launching procedure of life boat. (10 Marks)
b. Explain regulation on immersion suit in detail. (10 Marks)

PART – B

- 5 a. Explain launching procedure of life Raft. (10 Marks)
b. Explain pyrotechniques in details. (10 Marks)
- 6 a. Explain life raft equipments. (10 Marks)
b. Explain survival factors in life raft. (10 Marks)
- 7 a. Explain Marpol and annexes. (08 Marks)
b. Explain SOLAS and its chapters. (06 Marks)
c. Explain STCW and name its chapters. (06 Marks)
- 8 a. Explain Hitches in details. (10 Marks)
b. Explain knots in details. (10 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.