

USN

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

10MR35

Third Semester B.E. Degree Examination, June/July 2016

Elementary Navigation, Seamanship & Survival at Sea

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Write a note on navigational rights. (10 Marks)
b. Give the meaning of: (i) Alfa, (ii) Bravo, (iii) Chorlie, (iv) Delta, (v) Hotel. (05 Marks)
c. Write rough weather precautions. (05 Marks)
- 2 a. Draw and write the use of following lines:
i) Head line ii) Forward Breast line iii) Forward spring,
iv) Aft spring v) Aft breast line vi) Stern line (12 Marks)
b. Explain: i) Bowline ii) Half hitch (08 Marks)
 iii) Clove hitch iv) Sheet bend or marline spike hitch
- 3 a. Write a note on echo sounder. (10 Marks)
b. Write a brief note on: (i) Modern navigation, (ii) Satellite navigation. (10 Marks)
- 4 a. Write a life raft launching by Davit procedure. (10 Marks)
b. Write note on Thermal Protective Aid (TPA). (10 Marks)

PART – B

- 5 a. What is muster list? Explain its features. (10 Marks)
b. What is pyrotechnique? Explain different types. (10 Marks)
- 6 a. List at least 10 life raft equipments. (10 Marks)
b. What are the markings present on life raft container? (10 Marks)
- 7 a. Write a note on SOLAS. (10 Marks)
b. Draw the structure of IMO. (10 Marks)
- 8 a. Write a note on handling of ropes. (08 Marks)
b. What markings are present on life jacket? (08 Marks)
c. Explain the procedure for donning of life jacket. (04 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.