

CBCS SCHEME

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18MR35

Third Semester B.E. Degree Examination, Dec.2019/Jan.2020 Elementary Navigation, Seamanship and Survival at Sea

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. Missing data may be assumed suitably.*

Module-1

- 1 a. Briefly explain about Morse Code (i) By Flashing Light, (ii) Wireless Telegraphy (W/T) (iii) By Flag. (10 Marks)
b. Define the following : (i) Knot (Speed), (ii) Wheel house, (iii) Spar (iv) Free board, (v) Waft. (10 Marks)

OR

- 2 a. Write a short note on "Donning of Life Jacket". (10 Marks)
b. Explain the duties of Crew members during flooding emergency. (10 Marks)

Module-2

- 3 a. With the help of a neat sketch, briefly explain "Mooring a Ship Alongside a WHARF". (10 Marks)
b. Explain the following mooring terms and orders in short :
(i) Aariya (ii) Single up (iii) Hebeyst (iv) Avast Heaving
(v) Send away the Headline. (10 Marks)

OR

- 4 a. Explain in brief about "WIRE ROPE SELECTION" of its care and maintenance. (14 Marks)
b. What is meant by (i) S.W.L. (ii) Breaking strength. (06 Marks)

Module-3

- 5 a. Write a short note on G.M.T. (05 Marks)
b. Explain in detail about the precautions to be takes on a vessel in case of rough weather. (15 Marks)

OR

- 6 Explain in detail about types of Navigation equipment of Resources used onboard Modern Ships. (20 Marks)

Module-4

- 7 a. Explain in brief about "MUSTER LIST" and Special Duties of Crew members. (14 Marks)
b. Write a short note on "Emergency Signal". (06 Marks)

OR

- 8 Explain in detail about LSA. (20 Marks)

Module-5

- 9 a. Explain in brief about SOLAS Convention. (14 Marks)
b. Write a short note on Maritime Labour Convention (MLC). (06 Marks)

OR

- 10 Explain in detail about ISPS Code. (20 Marks)

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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.