

CBCS SCHEME

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18MR731

Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024 Ship Fire Prevention and Safety

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain the properties of following fire fighting mediums in details :
i) Carbon dioxide ii) Water. (10 Marks)
b. Briefly explain Fire triangle and Fire tetrahedron. (10 Marks)

OR

- 2 a. Write the classification of fire and explain the properties of materials in each class of fire. (10 Marks)
b. Briefly explain limits of Flammability. (10 Marks)

Module-2

- 3 a. Explain different classes of fire division in respect of materials of construction. (10 Marks)
b. Explain basic construction requirements of escape means. (10 Marks)

OR

- 4 a. Explain Electrical installation on - board. (10 Marks)
b. Write a note on SOLAS chapter II and state all the test carried under FTP code. (10 Marks)

Module-3

- 5 a. Briefly explain about emergency fire pumps, hydrants and hoses. (10 Marks)
b. With the help of line diagram, explain Inert gas system for tankers. (10 Marks)

OR

- 6 a. Explain Construction , Operation of DCP portable fire extinguisher with neat labeled sketch. (10 Marks)
b. Explain Water Mist Suppression systems. (10 Marks)

Module-4

- 7 a. Briefly explain all contents of muster list. (10 Marks)
b. Write a note on Emergency breathing apparatus. (10 Marks)

OR

- 8 a. Write the procedure to be followed during fighting fire in part and dry dock. (10 Marks)
b. Explain Fire Organisation on – board ship. (10 Marks)

Module-5

- 9 a. Write the procedure of effective First aid. (10 Marks)
b. Explain the Safe working practices in order to prevent fire onboard ship. (10 Marks)

OR

- 10 Write Safety measures for preventing and fighting fire in tankers. (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.