

CBCS SCHEME

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15MR651

Sixth Semester B.E. Degree Examination, June/July 2018 Ship Fire Prevention and Control

Time: 3 hrs.

Max. Marks: 80

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 detail : (10 Marks)
i) Carbon dioxide ii) Water.
b. Briefly explain fire triangle and fire tetrahedron. (06 Marks)

OR

- 2 a. Write the classification of fire and explain the properties of materials in each class of fire. (12 Marks)
b. Briefly explain limits of flammability. (04 Marks)

Module-2

- 3 a. Explain different classes of fire division in respect of materials of construction. (12 Marks)
b. Explain Electrical installation on – board. (04 Marks)

OR

- 4 a. Explain basic construction requirements of Escape means. (08 Marks)
b. Write a note on SOLAS chapter II and state all the test carried under FTP code. (08 Marks)

Module-3

- 5 a. Explain Water mist suppression system. (08 Marks)
b. Explain Construction, Operation of DCP portable fire extinguisher, with neat labeled sketch. (08 Marks)

OR

- 6 a. With the help of line diagram, explain Inert gas system for tankers. (08 Marks)
b. Briefly explain about emergency fire pumps, hydrants and hoses. (08 Marks)

Module-4

- 7 a. Explain Fire organization on – board ship. (08 Marks)
b. Briefly explain all the contents of muster list. (08 Marks)

OR

- 8 a. Write the procedure to be followed during fighting fire in Part and dry dock. (10 Marks)
b. Write a note on Emergency breathing apparatus. (06 Marks)

Module-5

- 9 a. Explain the safe working practices in order to prevent fire on board ship. (10 Marks)
b. Write the procedure of effective First aid. (06 Marks)

OR

- 10 Write safety measures for Preventing and Fighting fire in tankers. (16 Marks)

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