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10MR663

**Sixth Semester B.E. Degree Examination, June/July 2016**  
**Ship Fire Prevention and Control**

Time: 3 hrs.

Max. Marks:100

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

**PART - A**

- 1 a. Write the classification, sources of fire and its control measures. (10 Marks)  
b. Explain fire triangle. (05 Marks)  
c. Explain the limits of inflammability. (05 Marks)
- 2 a. Explain the purpose of fire doors and fire zones. (05 Marks)  
b. Explain standard fire test. (05 Marks)  
c. Explain the requirements in respect of materials of construction and design of ships. (10 Marks)
- 3 a. Explain the effects of combustion products on life safety. (10 Marks)  
b. Explain Deck foam system for tankers. (10 Marks)
- 4 a. Explain any 2 types of detectors. (10 Marks)  
b. Explain the requirements of emergency fire pump. (10 Marks)

**PART - B**

- 5 a. As per solar, explain the requirements of main fire pump. (10 Marks)  
b. Explain with proper dimensions international shore coupling. Write the applications of same. (10 Marks)
- 6 a. Explain bulk CO<sub>2</sub> fixed fire fighting installation. (10 Marks)  
b. Write a note on fireman's outfit. (10 Marks)
- 7 a. Explain Fire organization onboard ships. (10 Marks)  
b. Write a note on breathing apparatus. (10 Marks)
- 8 a. Explain the Safe working practices in order to prevent fire Onboard ships. (12 Marks)  
b. Explain Fire control plan. (08 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.