

***B.Tech Degree VI Semester Examination in Marine
Engineering, July 2006***

MRE 603 SHIP FIRE PREVENTION AND CONTROL

Time : 3 Hours

Maximum Marks : 100

(All question carry **EQUAL** marks)

- I. What are the basic requirements to have a fire? Explain fire triangle and fire quadrilateral. What precautions are to be observed on board ships to prevent fire hazard?
OR
- II. Write short notes on :
(i) Flash Point
(ii) Fire Point
(iii) Auto Ignition
- III. Explain briefly "A", "B" and "C" class divisions formed by bulkheads or decks in ships. What are its implications in fire protection and extinction?
OR
- IV. Write short notes on :
(i) Standard Fire Test
(ii) Vertical Zones in Ships
(iii) Means of Escape
- V. Enumerate various types of detectors installed in ships for fire protection. Sketch and describe any one type.
OR
- VI. Explain the sprinkler system used on passenger ships for fighting fire.
- VII. What are the fixed fire fighting installations found on board different ships? Explain Co₂ total flooding system.
OR
- VIII. Write short notes on :
(i) Fireman's Outfit
(ii) Fire Plan
(iii) Portable Extinguishers
- IX. Describe how an accommodation fire in a ship is dealt with. Explain the formation of teams.
OR
- X. Write short notes on :
(i) Crew Muster
(ii) Emergency Fire Pump
(iii) E.E.B.D.

