

## GANPAT UNIVERSITY

## B. TECH SEM- V (MARINE) REGULAR EXAMINATION- NOV-DEC 2016

## 2MR501 Ship Fire Prevention &amp; Control

TIME: 3 HRS

TOTAL MARKS: 60

**Instructions:** (1) This Question paper has two sections. Attempt each section in separate answer book.

(2) Figures on right indicate marks.

(3) Be precise and to the point in answering the descriptive questions.

## SECTION: I

Q.1 Describe the concept of fire triangle? Explain how it is helpful in extinguishing fire? What is your action upon sighting a fire on ship? (10)

OR

Q.1 Draw and label the Limits of Flammability diagram of Hydrocarbon gas? Explain how same is used to know if the mixture is flammable or may be dangerous? (10)

Q.2 As per Solas convention Explain Class A and Class B bulkheads requirements? (10)  
Give example of where and why those bulkheads are used?

OR

Q.2 Explain fire Detection and Extinction systems on board ship? (10)

Q.3 Explain the use of CO<sub>2</sub> Fire extinguishing system? What is importance of Pilot bottles? (10)

## SECTION: II

Q.4 Describe the Procedure for re-entry in the compartment after putting of fire with CO<sub>2</sub> flooding system? (10)

OR

Q.4 Describe different fixed fire fighting systems available on board ship in brief and reason for same available in that particular compartment? (10)

Q.5 What is S.C.B.A? What checks need to be carried out on equipment before donning S.C.B.A? (10)

OR

Q.5 Explain fireman's Outfit and equipments? Use of it during fire fighting? (10)

Q.6 What do you understand by fire Drill and how often drills need to be carried out? List the main actions must be listed as duties in the fire Drill duties? (10)

-----END OF PAPER-----