

GANPAT UNIVERSITY

B. Tech. Semester: V (Marine Engineering)

CBCS (NEW) Regular Theory Examination November – December 2015

2MR501 Ship Fire Prevention & Control

Time: 3 Hours

Total Marks: 70

- Instruction:** (1) Attempt all Questions.
(2) Assume suitable data if necessary.
(3) Figure to right indicates full Marks.
(4) Question: 3 in Section 1 and Question 6 in section 2 are compulsory
(5) Start new Questions on New Page.

Section – I

Que.-1) Explain Class A and B Bulk head and what is the use of Class A and B bulkhead and Give an example of ship which uses such bulk head on board ? 12

OR

Que.-1) Explain Fire Detection, Extinction and escape means used on board a ship? 12

Que.-2) Describe the procedure of Re-entry in to the compartment which was flooded to extinguish the Fire with CO₂? 11

OR

Que.-2) Describe an example of fire Organization on Board ship (flow diagram)? 11

Que.-3) Describe your action if you see a small fire in Engine room and further if same fire was out of control then how do you tackle the fire by fixed fire fighting system and procedure for using Fixed fire fighting system? 12

Section – II

Que.-4) Describe different kind of Sensor used in identifying the fire? Explain faults and limitations of the sensors used on board ship ? 12

OR

Que.-4) Draw limits of flammability diagram and explain how it is used on board ship? 12

Que.-5) Describe different classes of fire and which type of fire extinguisher is used for different classes of fire ? 11

OR

Que.-5) What is Fireman's Outfit? when it is used and Explain briefly different equipments and its use in the kit? 11

Que.-6) What is the use of S.C.B.A? Explain precaution to be taken while using S.C.B.A and also List the Checks to be carried out prior donning of S.C.B.A(at-least 5 points) 12

*****END OF PAPER*****