

Students Exam No: _____

GANPAT UNIVERSITY
B.TECH SEM.III MARINE ENGINEERING
SEMESTER END EXAMINATION NOV ~ DEC - 2014
02MR-302 Seamanship and Survival at Sea

Date: 27/11/2014

Time-3 HOURS

Total Marks : 70

- INSTRUCTIONS:** (1) Attempt all questions. Question 2, Question 5 and Question 6 are compulsory
(2) Assume suitable data if necessary
(3) Figures to the right indicate full marks
(4) Start New Question on New Page
(5) Total Pages in the Question Paper : 4

Section-I

Q-1: Answer the Following

(12)

- a) Describe procedure for launching a Life Raft6
b) Describe and explain Sextant6

OR

Q-1: Answer the Following

(12)

- a) Describe and explain working of Magnetic Compass6
b) What is ISPS Code. How many levels of security are there6

Q-2 Attempt any two:

(12)

- a) Explain following Terms:.....6
i) Chain Cable
ii) Chain Locker
iii) Knots

iv) Joining Shackle

b) Define following terms :.....6

i) Rat Guard

ii) Heaving Line

iii) Muster Station

iv) Barometer

c) Describe Procedure for Launching of Life Boat and give at least 6 Important contents of Life Boat Equipments.....6

d) What are the contents of Muster List ? Places where you find muster list in board ship ?.....6.

Q-3 Attempt following - Sub Section (a) is Compulsory, Attempt any one from (b) and (c) (11)

a) What should be done in Life Raft in following weather conditions.....6

i) Very Hot Weather

ii) Very Cold Weather

iii) When a ship is sited

b) Explain Safe System of Work? Explain Enclosed Space Entry Permit and Checklist.....5

c) How Many Life Boat and Life Rafts are provided on a cargo ship? What is the length of the Life Line of a Life Buoy? How Many Walkie Talkie Sets are carried? When are they used ??.....

Section-II

Q-4: Attempt any two

(12)

a) Explain Marpol and Name its Annexes.....6

b) With diagram describe function of Windlass.....6

c) Explain following terms.....6

i) Mooring Buoys

ii) Marine Radar and its importance on board ships

OR

Q-4: Attempt any two

(12)

- a) Describe in Brief the following6
- i) ISPS Code
 - ii) SOLAS
 - iii) STCW Code
- b) Define Following Terms.....6
- i) Equator
 - ii) Canvas
 - iii) GPS
 - iv) Heaving Line
- c) Explain in Brief:.....6
- i) Types of Pyro techniques available on board
 - ii) Give 4 types of distress signals.

Q-5 Attempt any three

(12)

- a) Give full forms of the following.....4
- i) IMDG
 - ii) IOPP
 - iii) EIAPP
 - iv) ISPP
- b) Give full form of the following :.....4
- i) IMO
 - ii) STCW
 - iii) IACS
 - iv) SPM
- c) Give full forms of the following :.....4
- i) LSA

- ii) MOB
- iii) SART
- iv) GMT

d) Give full forms of the following :.....4

- i) SSAS
- ii) CALM
- iii) PSC
- iv) SOS

Q-6 Attempt following -

(11)

- a) Describe different Ships department on board ship? Describe the terms Poop Deck and ForeCastle ?..6
- b) Explain following terms (any two).....5

- i) General Alarm
- ii) Navigational Alarm
- iii) Fire Alarm
- iv) Ship security alarm system

END OF PAPER