

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)

June 2017 End Semester Examinations
B. SC (Nautical Science – Second Semester)

(Ship Operation Technology – UG21T 3205)
(AY 2016 - 17 batch onwards)

Date: 09.06.2017
Time: 3 Hrs

Maximum Marks : 70
Pass Marks : 35

Answer any SEVEN questions (7x10=70)

1. Draw neatly a profile view of general cargo ship and label various parts. (10 marks)
2. a. Explain the Navigation watches kept at Sea. (4 Marks)
b. Box the compass from North East to South East via East (4 Marks)
c. What is the purpose of lookout? (2 Marks)
3. a. List the types of ropes used onboard ship?. State their purpose. (5 Marks)
b. Explain in detail the care and maintenance of wire ropes? (5 Marks)
4. Write short notes on (5x2=10marks)
 - a. Flag hoisted half mast
 - b. Quarantine Flag
 - c. Halyard at the Dip
 - d. Courtesy flag
 - e. Ensign flag
5. List the various the Personal Protective Equipment (PPE) used on Ships? State their purpose. (10 Marks)
6. Explain the precautions to be taken during (2x5=10marks)
 - a. Working aloft
 - b. While entering enclosed space.
7. Write in detail about the importance of personal health and hygiene Onboard ship. (10 marks)

8. Explain the safety precautions to be taken while (2x5=10marks)
- a. Working on Bosun chair.
 - b. Climbing pilot ladder.
9. a. Explain the importance of permit to work system. List various permits issued on Ships. (5marks)
- b. List the content of hot work permit checklist. (5 Marks)
