

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

May/June 2016 End Semester Examinations
B.Sc. (Nautical Science) - Fifth Semester (2013 batch onwards)

Ship Operation Technology - V (T 2510)

Date : 09.07.2016

Time: 3 Hrs

Maximum Marks: 70

Pass Marks : 35

SECTION – A (MAINTENANCE, EMERGENCIES & SMCP) (60 Marks)

Answer **Six** questions. All questions carry equal marks.

1. a) Explain various methods of surface preparation before the application of paints.
b) Write down the function of TBT free anti fouling paints. (5 + 5)
2. Describe the various methods applied to the maintenance schedule for following:

 (a) Preventive Maintenance (b) Breakdown Maintenance (5 + 5)
3. Prepare a check list for annual inspection of ship's hull as required by a "Special Survey Hull". (10)
4. List down and explain about various areas to be checked before hatch- cover is put for a test of weather tightness. (10)
5. Describe actions to be taken after a vessel is collided with a passenger ship during the early morning watch onboard ships. (10)
6. Prepare a Muster List with Twelve crew members, assigning them with various duties as per harmonised contingency plan. (10)
7. List out the Standard Marine code words along with the pronunciation used to describe numerals 0 to 9 as per Standard Marine Communication Phrases (10)

SECTION B MARINE COMMUNICATION (10 Marks)

Answer **any one** question.

8. Write short notes on:
 a) NAVTEX (b) SAT-C (5+5)
9. Explain the procedure of cancelling false distress alert (DSC, MF, HF) (10)
