

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

**May/June 2015 End Semester Examinations**  
**B.Sc. (Nautical Science)- Second Semester (2013 batch onwards)**

**Ship Operation Technology Paper – II (T 2211)**

**Date : 27.06.2015**

**Time: 3 Hrs**

**Maximum Marks: 70**

**Pass Marks : 35**

Note: Attempt any **SEVEN** questions .

All questions carry equal marks.

(7 x 10 Marks= 70 Marks)

1. How will you prepare a surface for painting? What are the different types of paint process and how they are used?
2. Write short notes on the following:-
  - i. Life jacket    ii. Immersion suit    iii. Line throwing appliances
3. Explain in detail how will you prepare the fully enclosed life boat for launching in heavy weather.
4. Draw a neat sketch of an inflatable life raft and write down the material it contains for life saving.
5. List out the various types of fixed fire fighting systems available on board and describe inert gas system in brief.
6. You have to enter into a enclosure space to fight a fire. Describe the procedure you are going to follow and the equipments you are going to carry to complete assignment.
7. What are the different grades of steel used in making wire ropes? How will you condemn a steel wire rope.
8. (a) What are the types of ropes used on board ships?  
(b) Explain the meaning of 6/12, 6/24, 6/37 types of wire ropes
9. a) Differentiate between normal life buoy and MOB Marker buoy.  
b) What are the requirements as per SOLAS for TPAs.

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