

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

**June 2016 End Semester Examinations**  
**B.Sc. (Nautical Science) - 2013 batch onwards**  
**Semester III**

**SHIP OPERATION TECHNOLOGY - III (UG21T2310)**

**Date :15.07.2016/F.N**

**Time: 3 Hrs**

**Maximum Marks: 70**

**Pass Marks : 35**

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NOTE: Attempt any SEVEN questions. All questions carry equal marks    **7x10=70**

1. What is meant by (a) One shackle of cable (b) Bitter end (c) Brought up to three in water/four on deck (d) Devil's claw (e) Anchor aweigh
2. What are the statutory requirements for the conduct of Abandon ship drill? What is a drill planner?
3. Enumerate the check list you would complete before "Entering into an enclosed space"?
4. Write short notes on (a) Emergency fire pump (b) Refilling a portable Dry Chemical Powder (DCP) fire extinguisher
5. Define with diagrams: (a) Advance (b) Transfer (c) Drift angle (d) Williamson turn (e) Under Keel Clearance.
6. Write short notes on (a) Jack Staff (b) Blue Peter (c) Pilot Flag (d) Courtesy Flag (e) Quarantine Flag.
7. Briefly explain the principles of fire extinguishing with a fire triangle and chemistry of fire.
8. Enumerate the contents of Code of Safe Working Practices for Merchant Seaman.
9. What precautions should you observe whilst on Mooring stations?