

**Indian Maritime University**  
(A Central University, Govt of India)  
**B.SC (Nautical Science)**  
May/June 2018 End Semester Examinations  
Semester IV  
**Ship Operation Technology Paper -IV- UG21T2410**

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Date: 25.06.2018

Max Marks: 70

Time: 3 hours

Pass Marks: 35

Note: Answer any **Seven** questions out of Nine Questions.  
All questions carry equal marks.

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- 1) Write short notes on
  - (a). Markings on Anchor cable and shackles to Indicate length.
  - (b). Standing Moor. (2x5 = 10 marks)
  
- 2) How will you secure the ships' anchor before proceeding for the sea? (10 marks)
  
- 3) Enumerate all the equipments and survival items that are present in a Lifeboat (10 marks)
  
- 4) Explain the terms: (2x5=10 marks)
  - A) MOB Marker
  - B) Line Throwing Apparatus
  
- 5) What are the safety precautions to be taken while: (2x5=10 marks)
  - A) Entering Battery Room
  - B) Repairing Radar
  
- 6) A) Elaborate the term 'FIRE DRILL'. Explain its importance onboard ship. (5 marks)  
  
B) Explain the regulations pertaining to the conduct of Fire Drill onboard ships. (5 marks)

- 7) Explain the Following:
- A) Fixed Foam Fire Fighting system onboard Oil Tankers
  - B) Fixed Water Mist system on ships (2x5=10 marks)
- 8) Explain the procedures & precautions for rigging a Pilot ladder onboard. (10 marks)
- 9) Explain with respect to Marine Communication:
- a) Worldwide Navigational Warning Systems
  - b) GMDSS Role in Search & Rescue of Ships (2x5=10 marks)