

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

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

**Ship Construction – UG21T 3204)**

(AY 2016 - 17 batch onwards)

Date: 08.06.2017

Time: 3 Hrs

Maximum Marks : 70

Pass Marks : 35

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Note-Answer any seven questions .All questions carry equal marks

(7x10=70 marks)

1. Explain what is meant by longitudinal framing and transverse framing. Which types of ships would have these methods of construction?
2. Give five functions of watertight bulkhead?
3. Write short notes on a) Corrugated bulkhead b) Ventilators?
4. Write short notes on a) Rudder carrier b) Controllable pitch propeller?
5. Describe the destructive and non destructive tests which may be carried out on welding material or Welding joint?
6. Draw transom stern showing connections to the stern frame. Describe stern frame?
7. Draw and label the anchoring arrangement on forecastle deck of a ship? Label atleast 10 items?
8. Sketch and explain the construction of transversely framed double bottom tank?
9. a) Describe the pumping arrangement on tankers?  
b) Write short note on watertight doors?

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