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B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

December, 2012

**BNA-016 : CARGO HANDLING, STOWAGE
AND SEAMANSHIP - I**

Time : 2 hours

Maximum Marks : 70

*Note : All questions are compulsory. Q.1 carries 20 marks
and all other questions are 10 marks each.*

1. Explain the following with suitable sketch : 20
 - (a) Draft marks
 - (b) Plimsoll marks
 - (c) Freeboard
 - (d) Deck line

2. How cargo hold ventilation is carried out to prevent ship and cargo sweat ? 10

3. Explain the various parts of a stockless anchor. 10

4. What is corrosion ? Explain how you will prepare surface of hatch cover for painting. 10

5. Explain : 10
- (a) Why TPC varies with draft.
 - (b) Buoyancy and reserve buoyancy
6. Explain with suitable sketch : 10
- (a) Length overall
 - (b) Length between perpendiculars
 - (c) Parallel body
 - (d) Moulded depth
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