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B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

June, 2012

**BNA-023 : CARGO HANDLING, STOWAGE
AND SEAMANSHIP - II**

Time : 2 hours

Maximum Marks : 70

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- Note :** (i) *All questions are compulsory.*
(ii) *Use of Scientific calculator, Nories/Burttons
tables are allowed.*
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1. (a) Explain in detail, what is a dangerous cargo manifest on a container ship ? 20
(b) Explain in detail, the container markings.
(c) Explain with example, what are the hygroscopic cargo.
(d) Explain in detail, how you will test hatch cover for weather tightness ?
2. Explain in detail the purpose of safety committee meetings on board. 10
3. Explain briefly *any two* cargo piping systems on an oil tanker. 10

4. Explain in detail the bay plan of a container ship. 10
 5. Explain in detail, how you will keep cargo watch on a general cargo vessel. 10
 6. Explain the following terms in connection with anchor work : 10
 - (a) Bitter end
 - (b) Short stay
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