

B.Sc. (NAUTICAL SCIENCE)**Term-End Examination****December, 2015****BNA-023 : CARGO HANDLING, STOWAGE AND SEAMANSHIP – II***Time : 2 hours**Maximum Marks : 70*

Note : All questions are compulsory. Use of scientific calculator is allowed.

1. (a) Explain Cargo Securing Manual and its content ? On what all ships is it applicable ? 5
- (b) Explain in detail the purpose of Stowage Plan, Mates Receipt, and Temperature Logs/pH Logs on Bulk carriers. 5
- (c) Explain with a suitable example/sketch Bay Plan on container vessel. 5
- (d) Explain with example, cargoes liable to spontaneous combustion. 5
2. (a) Explain the role of the Ship Safety Officer on board. 5
- (b) Explain the role of the Ship Security Officer on board. 5

3. How will you prepare the Cargo Hold for loading Bulk cargo ? 10

 4. Write ten checks to be carried out as per ship/shore checklist, while loading/unloading an oil tanker. 10

 5. Sketch and name the parts of stockless anchors. What is the advantage of a stockless anchor over a stock anchor ? 10

 6. What safety precautions will you take while entering into the Battery room ? 10
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