

B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

June, 2015

00333

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

Time : 2 hours

Maximum Marks : 70

*Note : All questions are compulsory. Use of
non-programmable scientific calculator is allowed.*

1. Write short notes on any *two* of the following: 5+5=10
 - (a) ISGOTT
 - (b) Certificate of Slops
 - (c) SMPEP

2. Sketch an inert gas system of a tanker. Write the purpose of scrubber and deck seal. 10

3. (a) With the help of a diagram, explain a bay plan on a container ship.
(b) Name and describe three lashing equipments on a container ship. 10

4. (a) Explain in brief the emergency shut down procedure on a tanker.
- (b) Explain in brief the fully refrigerated containment on gas carriers. 10
5. (a) What is a hot work permit ? What is the role of safety officer while hot work is being carried out on board ?
- (b) Describe the markings on an anchor cable. What is meant by "brought up to six shackles on deck" ? 10
6. (a) Sketch a diagram of direct line pipeline system on an oil tanker. 8
- (b) What is the difference between a chemical tanker and a crude oil tanker ? 2
7. Write down the precautions you will take while (a) painting a radar mast, (b) carrying out maintenance in a battery room. 10
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