

B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

June, 2014

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

Time : 2 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. Answer the following briefly : 10x2=20
- (a) What are the markings found on a block ?
 - (b) What is a foul hawse ?
 - (c) What is an enclosed space ?
 - (d) Why are pH logs maintained on a Bulk Carrier ?
 - (e) What is a Shiptainer ?
 - (f) Where are vacuators used ?
 - (g) How is closing a hatch cover different from securing/battenning the same ?
 - (h) What does a safety committee do ?
 - (i) Why are drop lines used on tanker ?
 - (j) What cargoes do chemical tankers carry ?
2. Write short notes on : 3x5=15
- (a) Oil Record Book
 - (b) Eductors
 - (c) Crude Oil Washing

3. On a container vessel : **2+5+3=10**
- (a) What do the figures 050084 on a Bay Plan represent ?
 - (b) With the help of a diagram, label the fittings used and show how you will secure containers on deck.
 - (c) Which manual will you refer to secure the containers and what is the salient information provided in this manual ?
4. Discuss the importance of : **2+4+4=10**
- (a) Mates Receipt
 - (b) Ventilation/Fire Precautions on a Multi-Purpose/Ro-Ro Vessel.
 - (c) Ship shore Check List for a Bulk Carrier (08 points).
5. (a) What safety precautions will you observe whilst anchoring ? **3x5=15**
- (b) How will you secure anchors for a sea passage ?
 - (c) What safety precautions will you observe when entering battery room ?
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