

B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

00751

December, 2015

BNA-031 : SHIP SAFETY AND SECURITY

Time : 3 hours

Maximum Marks : 70

Note : Answer any *three* questions from Section A and any *four* questions from Section B.

SECTION A

1. Write down ten points on the responsibilities of officer of watch at sea. 10

2. Write down three modes of steering available on board ships and briefly explain their objectives/functions. 10

3. Write a short note on 'INSPIRES'. 10

4. (a) As OOW, what points will you keep in mind when navigating with a pilot on board ? 5
(b) As OOW, what points will you keep in mind to avoid collision in addition to following COLREGS, 1972 as amended ? 5

SECTION B

5. What is risk assessment with regard to working on board a ship ? Write two main principles you will follow for risk assessment. *10*

 6. Write down five points each on safe operations in the following situations : *10*
 - (a) Mooring operations on poop deck
 - (b) Painting draft marks in the midship area on shipside

 7. Write a short note on ship security plan. Define the security levels as per ISPS code. *10*

 8. Write down the security equipments and systems available on your last ship and briefly write their purposes. *10*

 9. What is an enclosed space on board ? What is the procedure undertaken prior to entering an enclosed space ? *10*
-