

B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

June, 2015

00963

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. All questions carry equal marks.

SECTION A

1. As per IMO ships' routeing explain the following : 10
 - (a) Separation Zone
 - (b) Roundabout
 - (c) Inshore Traffic Zone
 - (d) Deep Water Route
 - (e) Precautionary Area

2. Enumerate the advantages of weather routeing. What are the master's responsibilities ? 10

3. What checks should the "O.O.W." carry out on navigational status before taking over watch ? 10

4. Describe the fitness for duty as per STCW, 2010. 10

SECTION B

5. List various security equipments and their uses. 10
 6. List ten important IMO conventions and codes, and their purpose. 10
 7. List the differences in various "ISPS" levels. 10
 8. Enumerate the safety procedure for the following : 10
 - (a) Working Aloft
 - (b) Mooring Operations
 9. How can risk assessment and accident investigation reduce accidents ? 10
 10. Enumerate ten precautions to be taken during Electric Arc Welding on board ship. 10
-