

B.Sc. (NAUTICAL SCIENCE)

Term-End Examination

June, 2012

BNA - 031 : SHIP SAFETY AND SECURITY

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any three questions from section - A and any four questions from section-B. All questions carry equal marks. The answers shall be in your own language.

SECTION - A

Watch Keeping and Procedures

1. Enumerate 5 checks to be made on each of the following for safe navigation at sea. **2x5=10**
 - (a) Navigational charts
 - (b) Safety equipment

2. (a) Name any five adjustment controls provided on a modern marine auto - pilot control unit on board ship. **2x5=10**
 - (b) What is the function of "Yaw Control " ?

3. As per " Arrival Port" check list, state 10 important items to be checked by oow. **10**

4. Explain in brief the four types of reports, which are used with ship reporting. **10**

SECTION - B
Safety and security

5. Define " hazard ". List 5 reasons, why check lists are important. 10
6. (a) List the parties involved in the implementation of the ISPS code. 5
- (b) What do you understand by "Security Level 3" ? 5
7. What is A.I.S.? How does it help in surveillance? 10
8. State the action to be taken on board ship in the event of fire. 10
9. List 5 items each, to be considered in the care of man - made and synthetic ropes on board. 10
10. List 5 precautions to be taken during electric arc welding. 10
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