

01433

**B.Sc. (NAUTICAL SCIENCE)**

**Term-End Examination**

**December, 2012**

**BNA - 031 : SHIP SAFETY AND SECURITY**

*Time : 3 Hours*

*Maximum Marks : 70*

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**Note :** (i) *All Questions are compulsory.*  
(ii) *All Questions carry equal marks.*

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1. What cautions and recommendations a navigating officer follows, when using auto pilot (steering) ? **10**
2. Explain in detail the checks to be made by officer of the watch on the navigational status of the vessel, after taking over the watch. **10**
3. What advice is received by the master regarding weather routeing ? What are the advantages of ship's weather routeing ? **10**
4. What do you mean by Company Security Officer (CSO) ? Explain duties and responsibilities of CSO in detail. **10**

5. What do you mean by emergency onboard ? 10  
Explain in brief actions to be taken in case of fire onboard.
  6. What precautions a person should take whilst 10  
handling mooring ropes and mooring wires ?
  7. What precautions are to be taken during electric 10  
arc welding in an enclosed space ?
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