

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

**Term-End Examination**

**December, 2015**

00031

**BNA-041 : NAVIGATIONAL AIDS AND  
ENVIRONMENTAL PROTECTION**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : All questions are compulsory. Choice is given in the questions. All questions carry equal marks.*

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1. List various static and dynamic information transmitted by AIS. Which information helps in collision avoidance ? 10
  
2. Draw and describe the significance of OAW triangle in Radar Plotting. 10
  
3. Describe any five types of paint failures. 10
  
4. Elaborate the meaning of Container Identification Number and also explain the significance of Check Digit. 10

**OR**

Describe about the parts of a container with respect to material, types of container and size. 10

5. Draw any two search patterns as per IAMSAR vol. III. 10
6. Describe the action to be taken by a vessel on noticing a suspicious vessel in the vicinity. 10
7. What would be the future use of VTS ? 10

**OR**

What are the requirements of testing and drills of a steering gear as per SOLAS ? 10

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