

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

**Term-End Examination**

**June, 2015**

00873

**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 ten data items and their source which needs to be recorded by VDR. 10
  
  2. What are the different types of Speed Logs ? Describe the principle and working of Doppler Log. 10
- OR**
- Draw a simple block diagram of RADAR, giving function of each part. 10
  
  3. Name any two paint failures and write short notes on them. 10
  
  4. Describe the Bay Plan for container stowage on a container ship. 10

5. Describe the actions to be taken in case of imminent collision. 10
  
  6. What are the problems associated with the design of the RO-RO ship ? 10
  
  7. Write short notes on India SAR "INDSAR" and "INSPIRES". 10
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