

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

**Term-End Examination**

**June, 2015**

00285

**BNA-015 : NAVIGATION – II**

**(BRIDGE EQUIPMENT, WATCH KEEPING  
METEOROLOGY AND OCEANOGRAPHY)**

*Time : 2 hours*

*Maximum Marks : 70*

*Note : Answer all questions.*

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**SECTION I**

1. Explain the errors of the sextant and the reasons for the same. 10
2. Enumerate five errors of an echo sounder. How are these caused ? 10
3. What is an azimuth ring and how does it help in determining the risk of collision ? 10
4. Explain “safe speed” as given in “Rule 6” of International Regulations for Preventing Collision at Sea. 10

## SECTION II

5. Explain the following : 10
- (a) Barometric Tendency
  - (b) Relative Humidity
6. Explain the greenhouse effect. How is it resulting in global warming ? 10
7. Explain the Radiation Budget of the Earth. 10

**OR**

Define the following :

- (a) Absolute Humidity
  - (b) Environmental Lapse Rate
  - (c) Dew Point
  - (d) Insolation
  - (e) Refraction
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