

# INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)

End Semester Examination Dec 2019/Jan 2020

**B.Sc (Nautical Science)**

**Semester -III**

**UG21T4304- Environmental Studies**

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**Date: 16.12.2019**

**Max Marks: 70**

**Time: 3 Hours**

**Pass Marks: 35**

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## **Part- A: Environmental Studies**

**Note: Attempt any four questions from Part-A.**

1. a) Define "Environmental Science". (2 marks)  
b) Write the role of human beings in conservation of natural resources. (8 marks)
2. a) Explain "food chain" & "food web". (5 marks)  
b) Elucidate in detail about the classification of Biodiversity. (5 marks)
3. a) Discuss the sources and control measure of air pollution? (5 marks)  
b) Enumerates various control methods for Water Pollution? (5 marks)
4. a) Define "global warming" and "acid rain". (5 marks)  
b) Recommendatory guidelines on environmental protection. (5 marks)
5. a) What do you mean by Value based environmental education. (5 marks)  
b) Write five points each on advantages and disadvantages of "Environment – Human Population interface". (5 marks)

## **Part-B: Meteorology**

**Note: Attempt any three questions from Part-B.**

6. Draw different layers of atmosphere and explain the significance of each layer. (10 marks)
  7. a) Write short notes on: (5 marks)
    - i. Saturation
    - ii. Pressure gradient
    - iii. Isobarb) Write down Buys Ballot's law & it's use. (5 marks)
  8. Describe in detail the process of formation of clouds. List the types of Clouds. (10 marks)
  9. a) What is a "Visibility"? Explain different factors that affect the state of Visibility. (5 marks)  
b) Discuss the diurnal variation of the atmospheric pressure. (5 marks)
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