

# INDIAN MARITIME UNIVERSITY

Time Bound Assignment September/October 2020

B Tech (ME) Arrear Examinations

ENVIRONMENTAL SCIENCE & TECHNOLOGY

UG11E2603

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Date: 29/09/2020

Maximum Marks: 70

Time: 3 Hrs

Pass Marks: 35

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## **Part – A (compulsory)**

**Answer all the following (10x2=20 Marks)**

1. What are biotic and abiotic components?
2. Differentiate weather and climate?
3. Define the term food chain and food web?
4. What are Macrophytes? Give some examples?
5. What are the fundamentals of Microbiology?
6. Differentiate the primary and secondary pollutants?
7. What is e-waste?
8. Define the term Green house effect?
9. What is meant by environmental audit?
10. What are the objectives of Public liability insurance act 1991?

## **Part – B**

**Answer any 5 out of 7 questions (5 x 10= 50 marks)**

11. Explain briefly about the major process in Nitrogen cycle?
12. Elaborate the following:
  - a. Landscape ecology
  - b. Land scape Geometry
  - c. Land scape elements
13. What are the various levels of bio diversity ? Brief the causes to bio diversity loss?
14. Define the following terms
  - a. D.O.
  - b. COD
  - c. BOD

15. What are Primary and secondary air pollutants? Explain briefly about the control measures of air pollution?
16. What is Bio medical wastage? Explain the various methods of Disposal?
17. Elaborate briefly about the EIA?

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