

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – June 2025
Programme Name: BBA (ML)
Semester: 4
Subject Code: UG32T1402
Subject Name: Environmental Studies

Date: 02.06.2025

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

Ten MCQs/Fill in the Blanks of 01 Mark each – Choose the correct answer as applicable.

1. Focuses on the spatial arrangement of different ecosystems within a larger geographic area.
 - a) Global Ecology
 - b) Landscape Ecology
 - c) Ecosystem Ecology
 - d) Organismal Ecology
2. Which factor is not the Abiotic Component
 - a) Edaphic
 - b) Decomposer
 - c) Climate
 - d) Topographic
3. Harmful substance which enters into nature and make things bad, known as:
 - a) Dust
 - b) Pollutant
 - c) Chemical
 - d) Air
4. Which one is considered as good Pollution Standard Index:
 - a) 0-20
 - b) 0-50
 - c) 0-30
 - d) 0-40
5. A bio-conversion technique that is commonly used to handle solid waste:
 - a) Incineration
 - b) Recycling
 - c) Composting
 - d) Vermicomposting
6. Which is not the direct classification of the waste?
 - a) Solid Waste
 - b) Industrial Waste
 - c) Liquid Waste
 - d) Gaseous Waste
7. What is the primary advantage of non-conventional energy sources?
 - a) Limited availability
 - b) High carbon emission
 - c) Environment-friendly and renewable
 - d) High operational costs

8. Which device is used to convert wind energy into electrical energy?
- | | |
|------------------------|--------------|
| a) Solar panel | b) Turbine |
| d) Thermal power plant | d) Generator |
9. An Act to provide for the protection and improvement of the environment and matters connected therewith.
- Environment Protection Act, 1996
 - Environment Protection Act, 1986
 - Environment Protection Act, 1976
 - Environment Protection Act, 1988
10. Which one is an example of Biological Disaster?
- | | |
|---------------|-------------------|
| a) Landslides | b) Oil Spill |
| c) Cloudburst | d) Locust Plagues |

Section B

Five Questions of 02 Marks each

- Define Biotic and Abiotic Components.
- What do you understand by the Green House Effect?
- Define Solid Waste Management.
- What do you understand by energy from biomass and geothermal energy?
- Define Sustainable Development.

Section C

Seven Questions of 10 Marks each of which any 05 questions to be answered.

- What do you understand by the conservation of biodiversity? What are the major objectives and methods of conserving biodiversity?
- Define the Biogeochemical Cycle. Explain any four biogeochemical cycles.
- What do you understand about global warming and Acid rain? What are the factors that cause Acid rain? How are Global Warming and Acid rain impacting the ecosystem?
- Define Municipal Solid waste and its composition. What parameters should be considered to identify the exact characteristics of municipal waste?
- Differentiate between Conventional and Non-conventional Energy.
 - Explain the process of generating energy from the ocean.
- What do you understand by disaster management? What are the key steps for preparedness, response, and recovery in disaster management for floods, earthquakes, landslides, and cyclones?
- What do you understand by the Forest Conservation Act 1980? Explain its objectives and features. What was the need to implement this Act?
