



**MAULANA ABUL KALAM AZAD UNIVERSITY OF  
TECHNOLOGY, WEST BENGAL**

**Paper Code : BCAN-102**

**PUID : 01096 ( To be mentioned in the main answer script )**

**ENVIRONMENT STUDIES**

*Time Allotted : 3 Hours*

*Full Marks : 70*

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own  
words as far as practicable.*

**GROUP - A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *ten* of the following :  $10 \times 1 = 10$ 
  - i) In an ecotone, the species which become abundant are called
    - a) Edge species
    - b) Keystone species
    - c) Endemic species
    - d) Foster species.
  - ii) The largest number of Tiger Reserves are located in
    - a) Karnataka
    - b) Andhra Pradesh
    - c) Madhya Pradesh
    - d) West Bengal.
  - iii) The 'thickness' of Stratospheric Ozone layer is measured in/on
    - a) Sieverts
    - b) Dobson units
    - c) Melson units
    - d) Beaufort Scale.

- iv) The Cartagena Protocol is regarding safe use, transfer and handling of
  - a) Nuclear waste
  - b) Invasive Alien Species
  - c) Living Modified Organisms ( LMOs )
  - d) Toxic bye-products and industrial effluents.
- v) Green Economy is led by
  - a) United Nations Environment Programme
  - b) International Hydrological Organization
  - c) Intergovernmental Panel for Climate Change
  - d) European Union.
- vi) Headquarters of Biodiversity International is located at
  - a) Rome
  - b) Geneva
  - c) Paris
  - d) Manila.
- vii) Now-a-days Environmental Accounting is making news. What is Environment Accounting ?
  - a) It is a method to measure the consumption of the environment / natural resources
  - b) It is a method to statistically analyze the green areas of the country
  - c) It is a method of accounting in which all units are expressed in terms of loss / gain of Carbon Dioxide
  - d) It is a method of accounting in which all measurement is expressed in Carbon Credits.
- viii) In the E-waste generated by the Mobile Phones, which among the following metal is most abundant ?
  - a) Copper
  - b) Silver
  - c) Palladium
  - d) Gold.

- ix) Parambikkulam wildlife sanctuary is located in which among the following states ?
  - a) Kerala
  - b) Karnataka
  - c) Tamil Nadu
  - d) Andhra Pradesh.
- x) Which among the following is the "legally binding" convention ?
  - a) United Nations Framework Convention on Climate Change
  - b) Asia-Pacific Partnership on Clean Development and Climate
  - c) Vienna Convention for the Protection of the Ozone Layer
  - d) United Nations Convention to Combat Desertification.
- xi) To fulfill the obligations under which among the following treaties, the government of India publishes the National Communication ( NATCOM ) periodically ?
  - a) U.S.-India Civil Nuclear Cooperation Initiative
  - b) World Summit on the Information Society
  - c) United Nations Framework Convention on Climate Change
  - d) None of these.
- xii) In the UNFCCC convention at which among the following places, the decision to set up a "Green Climate Fund" was taken ?
  - a) Copenhagen
  - b) Cancun
  - c) Bali
  - d) Paris.

**GROUP - B**  
**( Short Answer Type Questions )**

Answer any *three* of the following.

3 × 5 = 15

2. Define the term environment.
3. What are the major objectives of environmental education ?
4. Demonstrate Nitrogen cycle.
5. Write a short note on soil erosion.
6. Write a short note on oxidation pond.

**GROUP - C**

**( Long Answer Type Questions )**

Answer any *three* of the following. 3 × 15 = 45

7. Discuss the methods of solid waste disposal.
8. Discuss the principles of resource recovery from solid waste.
9. What are the causes of ground water pollution ?
10. Classify solid wastes. How are solid wastes collected ?  
6 + 9
11. What are the different causes of environmental ground water pollution.

=====