



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

**Paper Code : BBAN-305**

**PUID : 03636 (To be mentioned in the main answer script)**

**ENVIRONMENTAL SCIENCES**

*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) The most common use of the plant 'Dhaincha' or *Sesbania bispinosa* is in which among the following ?
- a) Green Petrol                      b) Green Manure  
c) Medicine                              d) Ornamental Plant.
- ii) The 'Montreaux Record' is a register of
- a) Invasive Alien Species and their ecological hazards outside their nature environment  
b) Wetland sites under the threat of anthropogenic activities  
c) Endangered species of tropical and sub-tropical fauna  
d) Coastal cities under direct threat of consequences of global warming.

CS/BBA(N)/ODD/SEM-3/BBAN-305/2019-20

- iii) Hoollongapar Gibbon Sanctuary is home to only apes in India. The sanctuary is located in which of the following states ?
- a) West Bengal                      b) Nagaland  
c) Assam                                d) Karnataka.
- iv) In which of the following food chains, the Pyramid of Numbers will be always inverted ?
- a) Grassland food chain  
b) Ponds food chain  
c) Forests food chain  
d) Parasitic food chain!
- v) "Green Climate Fund" was proposed in which of the following environment conferences ?
- a) 2009 United Nations Climate Change Conference  
b) 2010 United Nations Climate Change Conference  
c) 2010 G-20 Seoul summit  
d) None of these. <http://www.makaut.com>
- vi) An aquatic plant introduced from America to check pollution turned out to be a troublesome weed in Indian water bodies. The name of this 'invasive alien species' is
- a) Opuntia                                b) Aegilops  
c) Eichhornia                            d) Pistia.
- vii) The name of Billy Arjan Singh is most closely associated with which among the following National Parks of India ?
- a) Jim Corbett National Park  
b) Dudhwa National Park  
c) Panna National Park  
d) Rajaji National Park.

- viii) In context with the Conference of Parties (COP) to the Convention on Biological Diversity (CBD), which among the following marked Rio+20 CBD conference ?
- a) Montreal                      b) Nagoya  
c) Tokyo                          d) Paris.
- ix) On which of the following planets of the solar system, the scientists have seen a "Great Red Spot" which is an anticyclonic storm persistent since last over 180 years ?
- a) Mars                              b) Jupitar  
c) Saturn                          d) Mercury.
- x) The Mahesh Rangarajan Committee has recommended the amendment of the Wild Life Protection Act for which among the following purposes ?
- a) To give legislative protection to Elephant Reserves  
b) To set up National Elephants Conservation Authority (NECA)  
c) To establish Elephant corridors under the provisions of amended act  
d) All of these.
- xi) Who among the following is the author of the famous book "Silent Spring" which is credited for being of much help in launching the environment movement ?
- a) Ian Lowe                      b) Pat Hutchings  
c) Mike Kingsford              d) Rachel Carson.

**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following.      3 × 5 = 15

2. Define the terms biomes and habitat.

✓ 3. What are the major objectives of environmental education ?

- ✓ 4. What do you understand by ozone layer depletion ?
5. Differentiate between Lithosphere and Biosphere.
- ✓ 6. What is Smog ? Write down the different classifications of smog. 2 + 3

**GROUP - C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

- ✓ 7. Explain the various ways of conservation of forest. State the main effects of deforestation and soil erosion. Give examples. 8 + 5 + 2
8. How do you explain heavy metals ? Write down the advantages of heavy metals. How are the heavy metals harmful for mankind ? 2 + 3 + 10
- ✓ 9. What do mean by Acid Rain. Discuss the different causes and effects of Acid rain. 5 + 10
10. What is Ecosystem ? Describe the various components of ecosystem. What are the limitations of it ? 2 + 10 + 3
- ✓ 11. What is water pollution ? Explain the sources of water pollution. What are the steps taken by the government for controlling water pollution ? 2 + 7 + 6

http://www.makaut.com

Whatsapp @ 9300930012

Your old paper & get 10/-

पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से