

Total number of printed pages-4

44 (1) BCA-ENV-AE-1024

2022

(Held in 2023)

ENVIRONMENTAL STUDIES

Paper : ENV-AE-1024

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks : 1×5=5
- (a) The term 'ecology' was first defined by _____.
- (b) _____ of every year is observed as 'World Environment Day'.
- (c) _____ are known as microconsumers or Saprotrophs.
- (d) Methyl Isocyanate is used in the manufacture of _____ insecticides.
- (e) Chernobyl Nuclear Power Plant Disaster occurred on _____.

Contd.

2. Match the following :

1×5=5

A	B
(a) Bhopal Gas Tragedy	(i) Japan (1953)
(b) Chernobyl Nuclear Power Plant Disaster	(ii) April, 1986
(c) Minamata Epidemic	(iii) Methyl isocyanate
(d) Nokrek	(iv) Assam
(e) Manas	(v) Meghalaya

3. State **True** or **False** :

1×10=10

- (a) Deforestation in hilly areas often leads to landslides.
- (b) National parks are reserved for the conservation of animals only.
- (c) There are 10 Biosphere Reserves in India.
- (d) Earth Summit was held in 1992 at Rio-de-Janeiro.
- (e) Coal is an example of renewable resources.
- (f) Vegetation Cover prevents soil erosion.
- (g) 10 National parks and sanctuaries have been selected as 'Project Tiger' areas.

- (h) Extinction of a species refers to its disappearance from the earth.
- (i) Materials which are not created by man are called natural resources.
- (j) The vulnerable species are one which have sufficient number of individuals in their habitat.

4. Write the full form of the following : 10

CPCB, EPC, BOD, DDT, WHO, WWF, DOE, DST, FAO, FDC

5. When are the following days observed? 5

- (a) World Forest Day
- (b) World Health Day
- (c) National Science Day
- (d) Anti-Tobacco Day
- (e) Ozone Day

6. Answer the following questions : $5 \times 5 = 25$

- (a) What is environment? What are the components of environment?
- (b) Write a short note on atmosphere.

- (c) What is ecology? What are the subdivisions of ecology?
- (d) Define ecosystem. Classify ecosystem.
- (e) Write a short note on food chain.

7. Answer **any two** : 10×2=20

(a) Differentiate between—

(i) Ecosystem and Ecology ;

(ii) Climate and micro-climate.

5+5=10

(b) (i) What is the importance of forests? 5

(ii) What are the important ways of conservation of soil? 5

(c) Write a note on global warming or enhanced greenhouse effect.

(d) What is deforestation? What are its causes? Write how it affects the environment.

(e) Write a note on pollution of sound.