

Total number of printed pages-4

**44/47/51/52 (2) BBA-AE-2014/BCA-2.6/
BSc IT-ENV-AE-2014/BIT-ENV-AE-2014**

2023

ENVIRONMENTAL STUDIES/SCIENCE

Paper : 44/47/51/52 (2) BBA-AE-2014/
BCA-2.6/BSc IT-ENV-AE-2014/
BIT-ENV-AE-2014

Full Marks : 80

Time : Three hours

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

1. Write very short answers to the following :

1×8=8

- (a) Who coined the term ecosystem ?
- (b) Who is considered as forest man of India ?
- (c) What is secondary air pollutant ?

Contd.

- (d) Name the first National Park of Assam.
- (e) When was the 'Kyoto Protocol' signed?
- (f) What is the state bird of Assam?
- (g) Which gas was responsible for Bhopal gas tragedy?
- (h) Which type of ecological pyramid is not found in inverted form?
2. What do you mean by sustainable development? Discuss about the "three pillars" of sustainability. $2+6=8$
3. What is an ecological pyramid? Write about different types of ecological pyramids with suitable diagram. $2+6=8$
4. What do you mean by biodiversity? Differentiate between ex-situ and in-situ approaches of biodiversity conservation. $2+6=8$

5. Define biomagnification. Write about the impact of water pollution on living organisms. $2+6=8$
6. What do you mean by population? What are the various consequences of population explosion? $2+6=8$
7. What is mining? What are the different effects of mining on environment? What can be the steps taken to mitigate mining problem? $1+3+4=8$
8. What are greenhouse gases? Discuss how does such gases relate to global warming. Write about the different effects of global warming on environment. $1+3+4=8$
9. What do you mean by sacred forests? Explain *any three* services of ecosystem. $2+6=8$

10. Write short notes on : **(any two)** $4 \times 2 = 8$

- (a) Acid rain
- (b) Wildlife Protection Act, 1972
- (c) Chipko Movement
- (d) Biodiversity hotspots