

Total number of printed pages-3

44/47 (Sem-2) ES (2014/2-6) N/O

2022

ENVIRONMENTAL STUDIES / SCIENCE

Paper : BBA-AE-2014/BCA-2-6

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) Give an example of a minor component of the atmosphere.
 - (b) What do you mean by 'Environment'?
 - (c) In which layer of atmosphere is the ozone layer present?
 - (d) Who coined the term 'Ecology'?
 - (e) What is the 'detritus food chain'?

Contd.

- (f) When was the "Convention on Biological Diversity (CBD)" established ?
- (g) Which ecological pyramid is always upright ?
- (h) In which layer of atmosphere does all the weather phenomenon take place ?
2. What is an ecological pyramid ? Discuss different types of ecological pyramids with example. $2+6=8$
3. Define Atmosphere. Discuss the chemical composition of the atmosphere. Discuss different physical layers of the atmosphere with a diagram. $1+3+4=8$
4. What do you mean by biodiversity ? Discuss *three* types of biodiversity with example. Why does diversity amongst species decline as we move away from the equator ? $1+4+3=8$
5. Define resources. Differentiate renewable and non-renewable resources with example. Discuss the mineral resources of NE India and its associated environmental issues and management strategies briefly. $1+3+4=8$

6. Define ecosystem services. Discuss different ecosystem services rendered by the natural ecosystem. Are you in support of or against imposing a charge on the service given by the ecosystem? $2+4+2=8$
7. What do you mean by population? What are various consequences of over-population or population explosion? $2+6=8$
8. Define landslide. Discuss the main causes of landslides and their mitigation measure. $2+3+3=8$
9. What do you mean by biodiversity hotspots? How can the loss of biodiversity be prevented? Explain how the invasion of an alien species reduces the species diversity of an area. $1+4+3=8$
10. Write short notes on : **(any two)** $4 \times 2 = 8$
- (a) Bhopal gas tragedy
 - (b) Noise pollution
 - (c) Montreal protocol
 - (d) Acid rain
-