

## SELF ASSESSMENT TEST

(Chapter 15 : Biodiversity, conservation and environmental issues)

Time : 1 Hour]

[Marks : 20

Notes :

1. All questions are compulsory.
2. Figures to the right indicate full marks.

### SECTION – A

**Q. 1. Multiple Choice Questions (MCQ) :**

*(1 mark each)*

- (i) Biodiversity and its conservation are vital environmental issues of international concern because ..... .
- (a) it fetches more economic progress and development
  - (b) it can attract more international tourists
  - (c) biodiversity and its conservation is essential for our survival and well-being of earth
  - (d) all the animals and plants would be extinct if not taken care of [1]
- (ii) Choose an incorrect statement :
- (a) The relation between species richness and area for a wide variety of taxa turns out to be a rectangular hyperbola.
  - (b) The relation between species richness and area on a logarithmic scale, the relationship is a straight line.
  - (c) For the species-area relationships among very large areas like the entire continents, the slope of the line appears to be much steeper.
  - (d) Value of Z always keep on changing for every taxonomic group or the region. [1]
- (iii) Which of the following does not offer *ex-situ* conservation to the flora and fauna?
- (a) Zoological parks
  - (b) Botanical gardens
  - (c) Sanctuaries
  - (d) Gene banks [1]
- (iv) How does carbon monoxide, a poisonous gas emitted by automobiles, prevent transport of oxygen into the body tissues ?
- (a) By destroying haemoglobin.
  - (b) By forming a stable compound with haemoglobin.
  - (c) By obstructing the reaction of oxygen with haemoglobin.
  - (d) By changing oxygen into carbon dioxide. [1]

**Q. 2. Very Short Answer Questions (VSA) :**

*(1 mark each)*

- (i) What do you understand by EW category of living being? [1]
- (ii) Which one is considered the sixth extinction? Why? [1]

**SECTION – B**

**Q. 3. Short Answer Questions (SA - I) :**

**(2 marks each)**

- (i) Give reason : Loss of biodiversity leads to the overall imbalance in the ecosystem. [2]
- (ii) Write a short note on Habitat loss and fragmentation. [2]

**SECTION – C**

**Q. 4. Short Answer Questions (SA - II) :**

**(3 marks each)**

- (i) Distinguish between : *In-situ* and *ex-situ* conservation. [3]
- (ii) What is global warming? On what does it depend? [3]

**SECTION – D**

**Q. 5. Long Answer Questions (LA) :**

**(4 marks)**

Explain Rivet Popper Hypothesis. [4]

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