

# ENVIRONMENTAL EDUCATION

(Three hours)

(Candidates are allowed additional 15 minutes for only reading the paper.

They must NOT start writing during this time.)

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Answer Question 1 (compulsory) from Section A and five other questions from Section B.

The intended marks for questions or parts of questions are given in brackets [ ].

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## SECTION A (20 Marks)

(Compulsory)

### Question 1

- (i) Give *one* function of soil biota. [1]
- (ii) What are *extinct species*? [1]
- (iii) What is *genetic diversity*? [1]
- (iv) Which is the largest mangrove forest in the world? [1]
- (v) What is *inter-generational equity*? [1]
- (vi) What is *in-situ conservation*? [1]
- (vii) Who is regarded as the father of Green Revolution in India? [1]
- (viii) Name *two* alternate technology products. [1]
- (ix) Define the term *food web*. [1]
- (x) State *any one* advantage of crop rotation. [1]
- (xi) Mention *any one* legislation in India that is in force for managing the environment. [2]
- (xii) Give the names of *any two* pest predators. [2]
- (xiii) What is ECOMARK? Mention *any one* objective of this scheme. [2]
- (xiv) Name *any two* micronutrients. [2]
- (xv) State *any two* roles of national and international agencies. [2]

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## SECTION B (50 Marks)

Answer any five questions.

### Question 2

- (a) What is *biodiversity*? Explain the various types of biodiversity. [5]
- (b) Explain briefly *any five* types of relationships between species. [5]

### Question 3

- (a) What are the advantages of *in-situ* conservation? [5]
- (b) Suggest *any five* ways to mitigate the people wildlife conflict. [5]

### Question 4

- (a) Explain the social challenges of environmental management. [5]
- (b) What is *organic farming*? Discuss *any three* advantages of organic farming. [5]

### Question 5

- (a) Explain the concept of sustainable consumption with suitable example. [5]
- (b) Discuss the need for skilled manpower for sustainable development. [5]

### Question 6

- (a) Write in brief about the desert vegetation in India. [5]
- (b) Discuss the support base for sustainable development. [5]

### Question 7

- (a) What is the significance of EPR in environmental management? [5]
- (b) Discuss the problems caused by the practice of *monoculture* during Green Revolution. [5]

### Question 8

- (a) Discuss the *positive* and *negative impacts* of biotechnology on agriculture. [5]
- (b) What is the impact of agro-chemicals on the environment? [5]

**Question 9**

- (a) What is E.I.A.? Give *any four* objectives of E.I.A. [5]
- (b) Explain the term *food processing*. Suggest *four* ways by which food can be processed. [5]

**Question 10**

Write short notes on the following:

- (a) Integrated Pest Management [5]
- (b) DDS [5]