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ICSE 2010 : Environmental science

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ENVIRONMENTAL SCIENCE

(Two hours)

Answers to this Paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all questions from Section A and any four questions from Section B.
The intended marks for questions or parts of questions are given in brackets [].

SECTION - A (40 MARKS)

(Attempt ALL Questions)

Question 1.

- (a) State any *two* ways of reducing pollution from domestic cooking in rural areas. [2]
- (b) Define biodiversity. [2]
- (c) Suggest any *two* strategies to control population growth in India. [2]
- (d) Define secondary city. Give any *one* example. [2]
- (e) Explain the term land reform. [2]

Question 2.

- (a) State any *two* objectives of the Wildlife (Protection) Act, 1972. [2]
- (b) List any *two* methods of *in situ* conservation. [2]
- (c) State any *two* ways by which wetlands are important for us. [2]
- (d) State any *two* advantages of planning land use. [2]
- (e) Name any *two* techniques by which new crop strains are produced. [2]

Question 3.

- (a) Define sustainable development. [2]
- (b) State any *two* aims of project tiger. [2]
- (c) Expand the following : [2]
- (i) CITES [2]
- (ii) HYV [2]
- (d) Mention any *two* ways of reducing migration from rural to urban areas. [2]
- (e) State any *two* advantages of agro forestry. [2]

Question 4.

- (a) What is debt trap ? [2]
- (b) What do you mean by the term *wildlife* ? [2]
- (c) State any *two* consequences of air pollution. [2]

- (d) State any *two* eco-friendly alternatives to fossil fuels. [2]
 (e) Mention any *two* advantages of biotechnology. [2]

SECTION – B (40 MARKS)

(Answer any **FOUR** Question)

Question 5.

- (a) Briefly describe the process of composting. State any *two* advantages of using compost. [6]
 (b) Describe any *four* ways by which private enterprises can contribute to city improvement. [4]

Question 6.

- (a) Explain any *three* causes and three effects of soil erosion. [6]
 (b) Discuss any *four* causes for the loss of biodiversity. [4]

Question 7.

- (a) Overgrazing is a menace. Explain *three* impacts of overgrazing. Discuss any *three* measures to control his menace. [6]
 (b) Explain any *four* ways of controlling the problem of road traffic in metropolitan cities. [4]

Question 8.

- (a) What is counter urbanization ? State any *four* ways of achieving counter urbanization. [6]
 (b) What are organic fertilizers ? State any *two* advantages of using them. [4]

Question 9.

- (a) *The Chernobyl disaster was an important lesson for us.* Write briefly on this disaster. [6]
 (b) State *two* advantages and *two* disadvantages of nuclear energy. [4]

Question 10.

- (a) Describe any *three* ways by which international co-operation can help in achieving a sustainable future. [6]
 (b) What is trickle drip irrigation ? State any *two* advantages of such an irrigation system. [4]