

**ENVIRONMENTAL EDUCATION****(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.*

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*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 [ ].*

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**SECTION A (40 Marks)***Attempt **all** questions from this Section***Question 1**

- (a) State any *two* aims of water shed management. [2]
- (b) Mention any *two* advantages of Joint Forest Management (JFM). [2]
- (c) State *two* ways by which coral reefs are useful to us. [2]
- (d) Mention any *two* ways by which bio piracy can be prevented. [2]
- (e) Name any *two* useful products that forests provide us with. [2]

**Question 2**

- (a) State any *two* ways of combating climate change. [2]
- (b) Mention any *two* advantages of CNG (Compressed Natural Gas). [2]
- (c) State any *two* ways of controlling food adulteration. [2]
- (d) What are *two* advantages of using renewable energy? [2]
- (e) State any *two* aims of a biosphere reserve. [2]

**Question 3**

- (a) State *two* causes for the decline in forest productivity. [2]
- (b) List any *two* sources of energy in rural India. [2]
- (c) Mention any *two* effects of air pollution on human health. [2]
- (d) What are sacred groves? State any *one* utility of such groves. [2]
- (e) Why do we need consumer education? State any *two* reasons for such education. [2]

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**This paper consists of 3 printed pages and 1 blank page.**

**Question 4**

- (a) How can we prevent cruelty to animals? State any *two* ways. [2]
- (b) Mention any *two* benefits of agro forestry to the farmer. [2]
- (c) State any *two* ways by which biotechnology has helped agriculture. [2]
- (d) How do CFC's break ozone in the stratosphere? [2]
- (e) Mention any *two* ways by which citizens can play an important role in the enforcement of laws. [2]

**SECTION B (40 Marks)**

*Attempt any four questions from this Section*

**Question 5**

- (a) Modern culture has a lot to learn from tribal communities. Mention any *four* important things that we can learn from tribals. [4]
- (b) Explain any *three* dangers associated with the use of synthetic or chemical pesticides. [6]

**Question 6**

- (a) Explain any *four* ways of controlling water pollution. [4]
- (b) Write short notes on:
  - (i) Chernobyl disaster
  - (ii) Doon Valley Project [6]

**Question 7**

- (a) The world is headed towards an energy crisis. Describe any *four* ways by which we can sort out the energy problem. [4]
- (b) Discuss any *three* effects of the decline in agricultural productivity. [6]

**Question 8**

- (a) Briefly describe how bio gas is generated. [4]
- (b) Discuss any *three* human activities that are responsible for climate change in recent years. [6]



**Question 9**

- (a) Explain any *four* ways of preventing acid rain. [4]
- (b) Write short notes on:
  - (i) CITES
  - (ii) Wind energy [6]

**Question 10**

- (a) Describe any *four* ways of saving the ozone layer. [4]
- (b) The unprecedented growth in population has caused many environmental problems. Describe any *three* effects of population growth on the environment. [6]