

---

## 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 from this Section

#### Question 1

- (a) What is smog? State any one ill effect of it. [2]
- (b) How is micro irrigation beneficial to us? [2]
- (c) Discuss any two ways of combating deforestation. [2]
- (d) Name any two agreements of environment protection at global level. [2]
- (e) State any two advantages of planning the use of land. [2]

#### Question 2

- (a) What is regenerative farming? [2]
- (b) List any two ways by which electricity can be generated without the use of fossil fuel. [2]
- (c) How has slowing down of economic growth created hardship for the urban poor? [2]
- (d) Name any two NGOs that have helped in building a global network. [2]
- (e) What is *Vanamahotsava*? When was it launched? [2]

---

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

T17 821

© Copyright Reserved

Turn over

**Question 3**

- (a) How are wetlands important to us? [2]
- (b) Name the three Rs and explain any one. [2]
- (c) What is nuclear fission? Give one advantage of nuclear fission over nuclear fusion. [2]
- (d) List any two benefits of an MNC that influences the growth of developing nations. [2]
- (e) Define carrying capacity of the planet. [2]

**Question 4**

- (a) List any two principles of Sustainable Development. [2]
- (b) How does environment play an important role in wildlife management? [2]
- (c) Mention any two advantages of growing trees along road sides. [2]
- (d) Define clean fuel. Give an example. [2]
- (e) Who launched 'Swachh Bharat Abhiyan'? How will it benefit the rural poor. [2]

**SECTION B (40 Marks)**

*Answer any four questions from this Section*

**Question 5**

- (a) Discuss any five ways of reducing air pollution caused by industries. [5]
- (b) "Environmental resources are put under great stress in order to achieve the objectives of economic development". Explain. [5]

**Question 6**

- (a) “Overgazing is a menace”. Give three impacts of overgazing and two measures to control the menace. [5]
- (b) Mention the problems associated with disposal of waste in landfills. Suggest two alternatives that can reduce the burden on these landfills. [5]

**Question 7**

- (a) What are HYVs? State any two advantages and two disadvantages of HYVs. [5]
- (b) Discuss the application of Remote Sensing Satellite in the collection of environmental data. [5]

**Question 8**

- (a) What is the ecological impact of population growth? [5]
- (b) Explain five methods of achieving sustainable agriculture. [5]

**Question 9**

- (a) What is energy conservation? Explain any four reasons for conserving energy. [5]
- (b) What are Green buildings? Explain any four features of Green buildings. [5]

**Question 10**

- (a) How can mass public transport with high capacity and low pollution be encouraged? [5]
- (b) Differentiate between wildlife and biodiversity. What are their advantages? [5]