
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.

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) “Overgrazing is a menace”. Give three impacts of overgrazing 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]