

ICSE-Environmental Science- 2007

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) Write the full form of CNG. State *one* advantage of using it as a fuel. [2]
- (b) Name *any two* natural sources of air pollution. [2]
- (c) Mention *any two* ways in which oceans are useful to us. [2]
- (d) Name *any two* Acts in India that are aimed at the conservation of wildlife. [2]
- (e) What is *fungicide*? [2]

Question 2

- (a) Name *any two* traditional water-harvesting methods practised in India. [2]
- (b) What is an *oil spill*? [2]
- (c) What is *Eco-efficiency*? [2]
- (d) Define *Agro forestry*. [2]
- (e) Mention *two* objectives of watershed management. [2]

Question 3

- (a) Name the gas that caused the Bhopal gas tragedy. Which organization was responsible for the leakage of this gas? [2]
- (b) State *any two* advantages of crop rotation. [2]
- (c) Mention *two* man-made sources of radioactive pollution. [2]
- (d) Define *eutrophication*. [2]
- (e) What are sacred groves? [2]

Question 4

- (a) Name *any two* water-borne diseases caused by contaminated water. [2]
- (b) Name *any two* gases responsible for the formation of acid rain. [2]
- (c) What is green manuring? Give an example. [2]
- (d) What are forest protection committees? [2]
- (e) Suggest *two* renewable energy sources for meeting the energy demand in rural areas. [2]

SECTION B (40 Marks)

Attempt **any four** questions from this Section

Question 5

- (a) What is *food adulteration*? Give two examples. [4]
- (b) Differentiate between a *National Park* and a *Sanctuary*. [6]

Question 6

- (a) 'Biotechnology has tremendous scope for improving the quality of life'. Discuss some applications of biotechnology that are useful to mankind. [4]
- (b) Write short notes on:-
 - (i) Biogas [3]
 - (ii) Solar energy. [3]

Question 7

- (a) Suggest *four* measures to mitigate the various natural and man-made disasters. [4]
- (b) What is *Captive breeding*? Mention *any four* advantages of captive breeding. [6]

Question 8

- (a) Developmental activities like construction of dams and mining lead to displacement of people. Explain *any two* problems faced by these displaced people. [4]
- (b) Briefly explain the following:-
 - (i) Compost. [3]
 - (ii) Global warming. [3]

Question 9

- (a) What is the *silent valley movement*? [4]
- (b) Vehicular pollution in cities has become a major nuisance. Suggest *six* measures to reduce this problem. [6]

Question 10

- (a) Describe the importance of Coral reefs in the marine ecosystem. [4]
- (b) Explain the importance of forests to mankind. [6]