

GREENLAWNS HIGH SCHOOL
TERMINAL EXAMINATION YEAR 2019-20

SUBJECT : ENVIRONMENTAL SCIENCE
TIME : 2 HOURS

CLASS : X
MARKS : 80

All answers to this paper must be written on the paper provided separately.
You will not be allowed to write for the first 10 minutes. This time is to be spent in reading the question paper. This paper has 2 sections. Section I is compulsory section. Solve any 4 questions from the given 6 question in Section II.

SECTION – I

Question 1.

- a) Give 2 differences between nuclear fission and nuclear fusion. [2]
- b) List 4 alternatives of fuel wood. [2]
- c) How are check dams useful? (4 points) [2]
- d) What are the effects of urbanization on environment? (4 points) [2]
- e) Give 2 advantages and 2 disadvantages of wet scrubber. [2]

Question 2.

- a) Give 4 disadvantages of chemical pesticides. [2]
- b) List the 4 factors affecting the control of particulate pollutants. [2]
- c) Enumerate the steps taken by Tarun Bharat Sangh to conserve soil. [2]
- d) List 4 disadvantages of alternative fuel. [2]
- e) What is the aim of Ramsar convention. [2]

Question 3.

- a) List 4 advantages of biogas. [2]
- b) List 4 technological options to reduce vehicular options. [2]
- c) Note on Bhopal Gas Tragedy (4 point) [2]
- d) What do you mean by eutrophication? [2]
- e) List 2 differences between bio fertilizer and chemical fertilizers. [2]

Question 4.

- a) List 4 meteorological conditions that influence air pollution. [2]
- b) Note on CITES. (4 points) [2]
- c) Describe 4 ways to manage traffic and control air pollution. [2]
- d) Define social forestry. Give 2 aims. [2]
- e) What is green manure? List 4 advantages, [2]

SECTION – II
Solve any 4 questions

Question 5.

- a) With respect to nuclear energy answer the questions that follow. [5]
- i) What do you mean by nuclear energy?
 - ii) Name the 2 types of harmful consequences of nuclear radiation.
 - iii) Describe the Chernobyl disaster. (4 points)
 - iv) List 2 advantages of nuclear energy.
- b) What are GMO's? List 5 ways of in which they are useful? [3]
- c) Explain activated sludge process. [2]

Question 6.

- a) What are landfills. Give 2 advantages and 2 disadvantages of the same. [3]
- b) List 6 problems of solid waste management in India. [3]
- c) Write a note on 'Ralegaon Siddhi' with respect to 4 problems it faced and 4 steps taken in order to solve the problems. [4]

Question 7.

- a) What do you mean by 'Tree Planting'? give 2 advantages and 2 disadvantages of the same. [3]
- b) List 3 causes and 3 effects of soil erosion. [3]
- c) List 4 characteristic of community forestry depends. [4]

Question 8.

- a) Describe 4 factors that lead to depletion of resources and 4 consequences of the depletion. [4]
- b) What do you mean by air pollution? Give 4 effects of burning fuel wood on the health of rural women. [3]
- c) i) What is TTZ ii) List 4 steps Mathura oil refinery has taken to reduce air pollution. [3]

Question 9.

- a) Describe 4 causes and 4 effects of deforestation. [4]
- b) What do you mean by IPM. List 4 advantages of IPM. [3]
- c) Give 3 differences between wildlife sanctuary, national parks and biosphere reserves. [3]

Question 10.

- a) Note on 'Swachhta Abhiyaan'. [3]
- b) Give the difference between secondary cities and satellite cities. List 4 steps that can be taken to develop secondary cities. [3]
- c) i) Name 2 NGO's
- ii) What role can a MNC play to improve conditions of a city (4 points) [4]
- iii) Name 2 MNCs.