

GREENLAWNS HIGH SCHOOL

SUBJECT : ENVIRONMENTAL SCIENCE

STD : 10

TIME : 1.5 HOURS

MARKS : 60

You will not be allowed to write for the first 10 minutes. This time is to be used in reading the question paper.

Section A is compulsory. Section B has 4 questions. Solve any 3 questions from the given 4

SECTION A
QUESTION 1

Select the correct option from the given choices

(8)

- a) The vehicle which uses 2 or more distinct power sources is
- i) electric cars
 - ii) CNG vehicles
 - iii) Hybrid vehicles
 - iv) Cycle rickshaw
- b) Which of the following is not a greenhouse gas
- i) sulphur dioxide
 - ii) methane
 - iii) nitrogen
 - iv) carbon dioxide
- c) The best method of managing organic waste is
- i) landfill
 - ii) composting
 - iii) recycling
 - iv) incineration
- d) The main aim of Tarun Bharat Sangh is
- i) improve irrigation
 - ii) conservation of forest
 - iii) water resource and security of water
 - iv) all of the above

e) Mulching helps in

- i) moisture conservation
- ii) increasing soil fertility
- iii) improving soil structure
- iv) all of the above

f) Run offs from agricultural fields causes

- i) algal bloom
- ii) biomagnification
- iii) salination
- iv) desertification

g) Meteorological control of air pollution is not influenced by

- i) wind speed
- ii) humidity
- iii) solar radiation
- iv) number of vehicles and industries

h) Chipko movement was headed by

- i) Amrita Devi
- ii) Gaura Devi
- iii) Anna Hazare
- iv) Chand Bhatt

QUESTION 2

- a) List 2 advantages and 2 disadvantages of using alternative fuel (2)
- b) Why is tidal energy not used as a source of fuel ? 2 points (2)
- c) How can traffic management help control air pollution (2)
- d) Give 2 differences between in situ and ex situ conservation (2)
- e) List 4 ways to achieve food security (2)

QUESTION 3

- a) List 4 factors leading to loss of biodiversity (2)
- b) What do you mean by sustainable agriculture (2)
- c) What is the aim of wildlife protection act (2)
- d) What do you mean by FYM ? What is its importance (3)
- e) List 4 ways to achieve food security (3)

SECTION - B

SOLVE ANY - 3 FROM THE GIVEN 4 QUESTIONS

QUESTION 4

- a) Give 4 advantages and 4 disadvantages of solar energy (4)
- b) Describe 3 causes and 3 effects of overgrazing (3)
- c) List 3 differences between in situ and ex situ conservatuion (3)

QUESTION 5

- a) List 5 effects of Asia Brown Haze (5)
- b) Note on any one peoples' participation movement with respect to Place, Problems faced by the people, their Solution and people involved (5)

QUESTION 6

- a) Give the full form of IUCN
Describe the 4 classes of species according to IUCN (5)
- b) Describe 5 effects of depletion of resources (5)

QUESTION 7

- a) What do you mean by Agro Forestry? List4 advantages of the same (5)
- b) Describe the steps in waste management (5)