

GREENLAWNS HIGH SCHOOL  
PRELIMINARY EXAMINATION 2022-2023  
ENVIRONMENTAL SCIENCE

MARKS : 80

STD :10

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Answers to this paper must be written separately on the paper provided.

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

Section A is compulsory section

Section B has 6 questions, solve any 4

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**SECTION A**

**QUESTION 1**

Select the correct option in each of the following questions. Write only the correct option

(16)

- a) Soil erosion can be prevented by  
i) afforestation ii) deforestation iii) over growing iv) removal of vegetation
- b) Common source of energy is  
i) coal ii) biogas iii) electricity iv) wood and animal dung
- c) Main gas in biogas is  
i) methane ii) carbon dioxide iii) ethane iv) nitrogen
- d) Main purpose of rainwater harvesting is to recharge  
i) garden ii) water table iii) lakes iv) canals
- e) Removal of micro organisms from sewage is by  
i) aeration ii) pre screening iii) disinfection iv) sludge removal
- f) World water day is celebrated on  
i) 12 march ii) 22 march iii) 25 march iv) 30 march
- g) The term green revolution was termed by  
i) MS Swaminathan ii) Charles Elton iii) William Gaud iv) Odum
- h) A non renewable source of energy is  
i) water ii) wind iii) coal iv) forest

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i) IUCN stands for

- i) International union for conservation of nature and natural resources
- ii) international union for conservation of nature
- iii) international union for council of nature
- iv) international union for council of nature and natural resource

j) The following is the correct food chain

- i) grass frog hawk grasshopper snake
- ii) Grass grasshopper frog snake hawk
- iii) hawk frog grass snake grasshopper
- iv) hawk frog snake grasshopper grass

k) An example of biosphere reserve is

- i) Sunderbans ii) jim Corbett iii) Kaziranga iv) Ranthambore

l) BOD stands for

- i) biochemical oxygen demand ii) Biological oxygen demand
- iii) biochemical oxygen deficit iv) Biology oxide demand

m) A secondary pollutant

- i) Peroxy acetyl nitrate ii) DDT iii) Plastic iv) paper

n) When did Bhopal Gas Tragedy took place in

- i) 1964 ii) 1974 iii) 1984 iv) 1994

o) Algal bloom results in

- i) biomagnification ii) eutrophication iii) global warming iv) salination

p) Project Tiger was started in

- i) 1953 ii) 1963 iii) 1973 iv) 1983

## QUESTION 2

a) List 4 aims of Basel Convention

(2)

b) Describe the 4 advantages of biogas

(2)

c) List 4 objectives of a gene bank

(2)

d) List 4 technological options for reducing vehicular pollution

(2)

### QUESTION 3

- a) Describe the 4 layers of soil (2)
- b) List 4 differences between in situ and ex situ conservation (2)
- c) What do you mean by debt trap (2)
- d) Give the full form of GBCF. List 4 aims of GBCF (2)

### QUESTION 4

- a) Describe bunds. List 4 advantages of bunds (2)
- b) List 4 effects of waste accumulation (2)
- c) List 4 ways in which the Bhopal Gas Tragedy could have been avoided (2)
- d) Describe algal bloom (2)

## SECTION B

### SOLVE ANY 4 QUESTIONS FROM THE 6 QUESTION

#### QUESTION 5

- a) Define urbanization. Describe any 4 effects of urbanization (5)
- b) What do you mean by Social Forestry? List 4 reasons why it is not very successful. (5)  
Also give 4 advantages of social forestry

#### QUESTION 6

- a) Describe 5 Remote Sensing Satellite is a good tool (5)
- b) What do you mean by deforestation? List 4 causes and 4 effects (5)

#### QUESTION 7

- a) Alternate fuels are the need of the hour. List 2 advantages and 2 disadvantages of the same. Name 4 alternate fuels. (5)
- b) Define sustainable development. Describe any 4 ways to achieve it. (5)

### QUESTION 8

- a) Explain the term 'Population explosion'  
List 4 reasons for the same (5)
- b) Describe ways in which MNC's can help bring about development of a place (5)

### QUESTION 9

- a) What do you mean by social mobilization? List its main features (5)
- b) Note on Ramsar convention. Name 2 important Ramsar sites (5)

### QUESTION 10

- a) Describe the areas to be focused on for women developmental programmes (5)
- b) List 5 causes of overgrazing. (5)