

**GREENLAWNS HIGH SCHOOL
PRELIMINARY EXAMINATION
ENVIRONMENTAL STUDIES**

X - 5 /01/26

Maximum Marks: 80

Time allowed: Two hours

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

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all the questions from Section A. Attempt any four questions from Section B.

The intended marks for questions or parts of questions are given in brackets [].

SECTION A

(Attempt all questions)

Question 1

Choose the correct answers to the questions from the given options.

(Do not copy the question, Write the correct answer only.)

[16]

- (i) Mathura oil refinery has reduced the emission level of this gas to 500 kg per hour. Name the gas.
- | | |
|---------------------|---------------------|
| (a) CO ₂ | (b) SO ₂ |
| (c) CO | (d) NO ₂ |
- (ii) The following is not an advantage of a public transport system.
- (a) Increase in fossil fuel consumption
 - (b) reduce vehicular air pollution
 - (c) cost effective
 - (d) reduce traffic congestion

(iii) Identify the non-biodegradable waste.

- (a) House hold waste (b) Agricultural waste
(c) Electronic waste (d) Restaurant kitchen waste

(iv) Assertion:- The demand for essential consumer products escalates the production by industries leading to more industrial pollution.

Reason:- The growing population needs more essential consumer products.

- (a) Only A is true (b) Only R is true
(c) Both A and R are true (d) Both A and R are false

(v) Tarun Bharat Sangh is a non- government organisation in ____ 1 ____ currently directed by ____ 2 ____.

- (a) 1.Tamilnadu 2. M. Yoganathan
(b) 1. Maharashtra 2. Anna Hazare
(c) 1.Rajasthan 2. Rajendra Singh
(d) 1. Uttrakhand 2. Sundarlal Bahuguna

(vi) Process which is not a part of waste water treatment.

- (a) Physical treatment (b) Biological treatment
(c) Chemical treatment (d) Sanitary treatment

(vii) Land reform phase in India in which DPAP was implemented.

- (a) 1985 – 95 (b) 1972 – 85
(c) 1950 – 72 (d) 1995 – 2010

(viii) Advantages of recycling paper is

- (a) it converts waste paper into useful material.
- (b) it saves land field spaces.
- (c) it gives economically benefits to the people.
- (d) all of the above.

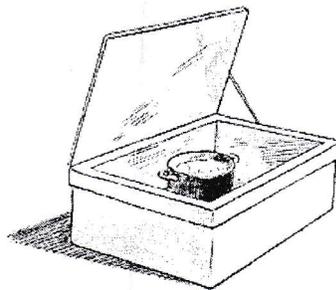
(ix) Poly varietal cultivation consists of

- (a) Planting a plot of land with several varieties of the same crop.
- (b) Planting a plot of land with a single variety of the same crop.
- (c) Planting a plot of land with several varieties of different crop.
- (d) Planting a plot of land with single varieties of different crops.

(x) The ___ areas in the world are classified as biodiversity hotspots.

- (a) 63
- (b) 36
- (c) 69
- (d) 39

(xi) The device shown below is solar cooker, it harnesses _____ energy.



- (a) heat and light both
- (b) only heat
- (c) only light
- (d) none of the above

(xii) First international Earth summit was held at

- (a) Rio de Janeiro (b) Vienna
(c) Munich (d) Cairo

(xiii) Remote sensing satellite find their application in monitoring

1. Deforestation 2. Flood 3. Mining 4. construction

- (a) 1 and 2 (b) 1 and 4
(c) 2 and 4 (d) 1, 2, 3 and 4

(xiv) The main aim of project tiger was

- (a) to protect tiger cubs from diseases.
(b) to increase the number of tigers in India.
(c) to obtain data for tiger conservation.
(d) to protect Bengal tigers.

(xv) Bioremediation is not used for degradation of metal.

- (a) Lead (b) Uranium
(c) Cadmium (d) Aluminum

(xvi) Radioactive isotopes released in the atmosphere due to Chernobyl disaster are

- (1) Caesium – 137 (2) Caesium – 134
(3) Strontium – 90 (4) Strontium – 95
(a) 1 and 4 (b) 1 and 3
(c) 2 and 4 (d) 2 and 3

Question 2

- (i) Give two issues addressed by Earth Summit. [2]
- (ii) Mention ways to prevent incidents like Bhopal gas tragedy [2]
- (iii) What is a Gasohol? [2]
- (iv) What are buffer areas? [2]

Question 3

- (i) State any two objectives of Biosphere reserve. [2]
- (ii) What are Bio fertilizers? [2]
- (iii) Give two advantages of recycling timber. [2]
- (iv) What is social forestry? [2]

Question 4

- (i) What is Fly ash? [2]
- (ii) What is meant by an eco-city? [2]
- (iii) How family welfare programmes act as population control strategy? [2]
- (iv) Explain working principle of plate tower [2]

SECTION B

(Attempt any **four** questions from this section)

Question 5

- (i) How does an industry save energy? [5]
- (ii) Write short note on Kyoto protocol. [5]

Question 6

- (i) Discuss characteristics of plants which can be used for energy plantation? [5]
- (ii) What are aims and advantages of Agro forestry. [5]

Question 7

- (i) What is Asia Brown Haze? Give its four effects. [5]
- (ii) Discuss five ways by which multinational companies cause Environmental degradation. [5]

Question 8

- (i) How population growth has aggravated the climate change? [5]
- (ii) What is nuclear energy? How is it generated?
Give one advantage and one disadvantage of the same. [5]

Question 9

- (i) What is rural-urban linkage? Give four measures that can strengthen rural-urban linkage? [5]
- (ii) Discuss the dependency of tribal's on the forest products? [5]

Question 10

- (i) Discuss five mechanical practices as erosion control techniques. [5]
- (ii) What is a gene bank? Discuss four objectives of gene bank. [5]