

Greenlawns High School
Final Examination 2024
Subject: Environmental Science

Std: IX

Date: 23/02/2024

Time: 2 Hours

Marks: 80

- Answers to this Paper must be written on the paper provided separately.
- You will not be allowed to write during 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.
- Section A is compulsory. Attempt any four questions from Section B.

SECTION A
(Attempt all questions from this Section.)

Question.1

Choose the correct answers to the questions from the given options: (16)

- i) Which of the following is the anthropogenic source of air pollutant?
a) Forest fire b) Volcanic eruption c) Burning of waste d) Dust storm
- ii) _____ is celebrated as International day for eradication of poverty.
a) 17th August b) 17th September c) 17th October d) 17th November
- iii) CFC stands for _____
a) Cycloflurocarbon b) Chloroflurochlorine
c) Chloroflurocarbon d) Chlorofrancocarbon
- iv) Which of the following is the least urbanized region?
a) Asia b) Africa c) Pacific d) Australia
- v) Third World countries are described as _____ countries.
a) Develped b) Developing c) Under developed d) None of these
- vi) Which of the following statement is not true for traditional farming?
a) It is eco-friendly.
b) It gives tremendous yield.
c) It provides insurance against pest outbreak.
d) Nitrogen content of soil can be regained.

vii) Which of the following air pollutant on high exposure, severely damages brain?

- a) Nitrogen Oxide b) Sulphur dioxide c) Hydrocarbons d) Lead

viii) Father of green revolution is _____

- a) Dr. Reyes Tirado b) Montreal
c) Norman Borlaug d) Alexander Fleming

ix) During Vanamahotsav _____ is done.

- a) Cleaning of beaches b) Donation of food
c) Planting of trees d) Distribution of clothes.

x) Which of the following is responsible for economic inequality?

- a) Increased technology b) Globalization
c) Gender discrimination d) All of these.

xi) The composition of air is _____

- a) 78% Nitrogen, 21% Oxygen, Around 1 % Argon, 0.03% Carbon dioxide.
b) 78% Oxygen, 21% Nitrogen, Around 1 % Carbon dioxide, 0.03% Argon
a) 78% Nitrogen, 21% Carbon dioxide, Around 1 % Argon, 0.03% Oxygen
a) 78% Oxygen, 21% Argon, Around 1 % Nitrogen, 0.03% Carbon dioxide.

xii) Ozone is found in _____ layer of atmosphere.

- a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere

xiii) _____ is a pull factor for Rural to urban migration.

- a) Natural disaster b) Environmental changes
c) Education d) Conflicts

xiv) _____ was selected by Indian government to be the first state to try out new crops of Green revolution program

- a) Maharashtra b) Gujarat c) Rajasthan d) Punjab

xv) Which of the following does not cause soil erosion?

- a) Overgrazing b) Afforestation
c) Clearance of slope d) Use of chemical fertilizers

xvi) Deposition of which of the following heavy metals causes land pollution?

- a) Copper b) Iron c) Chromium d) Aluminium

Question.2

- i) What are the two types of air pollutants according to origin? (2)
- ii) State any two causes of deforestation. (2)
- iii) Write any four non-monetary indicators of poverty. (2)
- iv) Urbanization leads to loss of fertility of the agricultural land. Explain. (2)

Question.3

- i) Differentiate between weather and climate. (2 Points) (2)
- ii) What is thermal inversion? Write any two effects of thermal inversion. (2)
- iii) Write any four forms of wood fuel which is available for use. (2)
- iv) What do you mean by slum? Write any two demographic characters of the slums. (2)

Question.4

- i) Why natural greenhouse effect is necessary? Which human activities have intensified natural greenhouse effect? (2)
- ii) What is desertification? How is it caused? (2)
- iii) Write the full form and the definition of PPP given by World Bank. (2)
- iv) Name the four methods of traditional farming. (2)

SECTION B

(Attempt any 4 questions from this Section.)

Question.5

- i) What is ground level ozone? From where is it emitted? Write its two effects on human health. (3)
- ii) Which two major air pollutants are responsible for acid rain? Write two harmful effects of acid rain on plants. (3)
- iii) How ozone depletion be controlled? (6 points) (4)

Question.6

- i) Explain the effects of ultra-violet radiations on human health, phytoplankton and in Arctic region. (3)
- ii) Write any three sources of greenhouse effect. (3)
- iii) Explain any four effects of land pollution. (4)

Question.7

- i) How does soil erosion occur naturally? (3 points) (3)
- ii) What is community forestry? State the names of models of community forestry developed in India. How community forestry beneficial for the people? (3)
- iii) Write a short note on smog. (4)

Question.8

- i) Why does third world countries neglect environment? On which issues these countries concentrate more? (2 points) (3)
- ii) What do you mean by poverty line? Why does it vary in time and place? (3)
- iii) Explain the environmental damages due to large farm units. (4)

Question.9

- i) How does urbanization lead to pressure on the civic amenities? (5)
- ii) Explain the environmental impact of Green revolution. (5)

Question.10

- i) What is monoculture? Write four advantages of monoculture. (5)
 - ii) Explain any five causes of urbanization. (5)
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