

Greenlawns High School
Terminal Examination 2023-24
Subject: Environmental Science

Std: IX

Date: 04/10/2023

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:

(15) 15

- i) Which of the following diseases is not caused due to air pollution?
a) Asthma b) Bronchitis c) Minamata d) Lung cancer
- ii) Which of the following dimension is not included into Sustainable development?
a) Economic b) Cultural c) Social d) Environmental
- iii) Which of the following is an example of Artificial Ecosystem?
a) Grassland b) Pond c) Dessert d) Garden
- iv) 1. Interaction between individuals of same species is called interspecific interactions.
2. Interaction between individuals of different species is called intraspecific interactions.
a) Both 1 and 2 are True
b) Both 1 and 2 are False
c) 1 is True and 2 is False
d) 1 is False and 2 is True
- v) Lichens are example of _____.
a) Mutualism b) Commensalism c) Predation d) Competition

- vi) The animals that eat both plants and animals are called as _____.
- a) Detrivores b) Decomposers c) Omnivores d) Carnivores
- vii) Which of the following act as decomposers?
- a) Insects b) Reptiles c) Fishes d) Bacteria
- viii) _____ makes up to 79% of Earth's atmosphere.
- a) Oxygen b) Hydrogen c) Nitrogen d) Helium.
- ix) _____ bacteria fix atmospheric nitrogen.
- a) *Nitrobacter* b) *Rhizobium* c) *Nitrosomonous* d) *Rhizopus*
- x) Removal of excess of water from plants is called as _____.
- a) Condensation b) Precipitation c) Infiltration d) Transpiration
- xi) The community in saline body like a marsh is termed as _____.
- a) Halosere b) Psammosere c) Hydrosere d) Xerosere
- xii) Which zone of the fresh water pond or lake hardly receives any light?
- a) Littoral zone b) Limmnetic zone c) Profundal zone d) Literal zone
- xiii) Which of the following statement is true for wetlands?
- a) They replenish ground water.
b) They prevent flooding.
c) They have special soil called hydric soil.
d) All of the above.
- xiv) North Western Desert is also called as _____.
- a) Kalhari Desert b) Thar Desert c) Sahara Desert d) Gobi Desert
- xv) Which of the following pair is correct?
- a) Nilgiri Hills – Kerala
b) Sahyadri Hills– Maharashtra
c) Anaimalai Hills – Karnataka
d) Cardamom Hills - Tamilnadu

Question.2

- i) Write two examples of greenhouse gases and two effects of air pollution. (2) (3)
- ii) Name any two substances that can cause toxicity of ground water. (2)
- iii) Write two example of elements which are micro nutrients. How do micronutrients become a limiting factor? (2)
- iv) Explain ~~the~~ the two broad categories of species interactions. (2)

Question.3

- i) What is food chain? What are Herbivores? (2)
- ii) Define: Trophic level. Which organisms come under trophic level I? (2)
- iii) What is denitrification? Give one example of bacteria doing denitrification. (2)
- iv) Write any two factors influencing succession. (2)

Question.4

- i) What are coral reefs? Explain: Coral bleaching. (2)
- ii) What are the two types fresh water ecosystem? (2)
- iii) Define: Biogeography. How many biogeographic zones are there in India? (2)
- iv) What are two endangered species of animals found in Himalayan zone? (2)

SECTION B

(Attempt any 4 questions from this Section.)

Question.5**(10)**

- i) Why is the North East India known as the 'gateway' for India's flora and fauna? Write two examples of plants and animals specifically found in this region. (3)
- ii) What is the common feature of the landscape in Deccan plateau? Name any two types of antelope species found in this region. What is Deccan trap? (3)
- iii) Differentiate between primary and secondary succession. (4 points) (4)

Question.6**(10)**

- i) Write five features of forest ecosystem. (5)
- ii) What is food web? Explain two types of food chain with one example each. (5)

Question.7**(10)**

- i) Write any five threats to Temperate Grassland. (5)
- ii) Write any five causes of extinction of species. (5)

- Question.8** (10)
- i) Explain the three stages of succession. (3)
 - ii) Draw a neat diagram of carbon cycle. Write two effects of human activities on carbon cycle. (3)
 - iii) Write the probable strategies for sustainable development. (4)

- Question.9** (10)
- i) Define: Parasitism. Explain two types of parasites with example. (3)
 - ii) Write a short note on Habitat. (3)
 - iii) Why is the pyramid of energy always upright? (4)

- Question.10** (10)
- i) What is eutrophication? What are the two causes of eutrophication? (3)
 - ii) Write any three ill effects of population explosion on resources. (3)
 - iii) Write three characteristic features of coastal zone. Which is the main crop of the coastal zone? (4)
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