

Bago University
Department of Zoology
Second Semester Examination, September 2019

Fourth Year (B.Sc)
(Zoology Specialization)
Answer ALL questions

Zool. 4113
Environmental Science
Time Allowed: (3) Hours

I. State TRUE or FALSE to the following statements.

(10 marks)

1. The term ecosystem was introduced by A. G. Tansley in 1955.
2. All green plants or producers belong to second trophic level.
3. The biomass of primary producers is minimum.
4. A community is a group of population of different species in a given area.
5. Phenol causes damage to liver, lungs etc.
6. Ozone layer forms a lifesaving screen as it checks the entry of lethal UV rays.
7. Air pollution is the big problem of present society.
8. Pesticides are the chemicals used to kill plants and animals.
9. Noise detracts attention and causes emotional disturbances.
10. Deforestation is deterioration, reduction or removal of forest cover.

II. Complete the following statements with appropriate words.

(10 marks)

1. A complex food chain has both producers and ----- trophic level.
2. A vegetation is a group of plants growing under the ----- climate over a wide range.
3. The basic structural and functional units of nature are -----.
4. Fossils fuels provide us energy for many ----- activities.
5. Benzpyrene is produced in ----- smoke.
6. More methane is being released from paddy fields due to ----- cultivation.
7. Mercury brings about ----- changes.
8. A sudden low noise may result in rupturing of ear -----.
9. Extinction refers to disappearance of a species from earth when its ----- surviving member dies.
10. Wetlands are rich in floristic and ----- diversity.

III. Answer All questions

(10 marks)

1. Write a short note on fresh water pond.
2. Explain the main reason of water pollution.
3. Mention the cause of Bio-magnification.
4. Enumerate the basic characteristic of endangered species.
5. Classify salt water wetland.

IV. Answer All questions

(20 marks)

1. Explain about decomposers.
2. List the impact on plants.
3. Describe briefly on thermal pollution.
4. Discuss enumerate the management of forests.

V. Answer ANY THREE questions

(30 marks)

1. List the ecological concept of structure and explain any three points.
2. Discuss generally on hydrocarbons pollutants.
3. Write an essay on pollution of water.
4. Explain the effect of surface run-off from fertilizers.
5. Describe the positive soil pollution.
6. List some of the steps to protect the wildlife.
