

**Model Question Paper**  
**Zoology-Environmental Science-Part I**

12th Standard

**Biology**

Reg.No. : 

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I. Answer all the questions.

II. Use blue pen only.

III. Question number 17 is compulsory.

Time : 01:30:00 Hrs

Total Marks : 70

5 x 1 = 5

**Part-A**

- 1) What is the rate of growth of human population?  
(a) 10 billion per year (b) 90 billion per year (c) 1 billion per year (d) 80 billion per year
- 2) The present sudden acceleration of population is called as .....  
(a) population explosion (b) population bomb (c) population trap (d) all the above
- 3) Global warming is caused due to .....  
(a) lack of rainfall (b) presence of a hole in ozone layer (c) human activities against nature (d) extinction of animals and plants
- 4) The most abundant green house gas is .....  
(a)  $NO_2$  (b)  $CO_2$  (c)  $O_3$  (d)  $SO_2$
- 5) Which of the following gas destroys ozone layer faster?  
(a) chlorofluorocarbons (b) hydrochlorofluorocarbons (c) both (a) and (b) (d) sulphur dioxide

**Part-B**

- 6) Define ecology.
- 7) How does population growth differ from food production?
- 8) What is known as global warming?
- 9) What are the effects of ozone depletion?
- 10) How is the sewage water treated by primary treatment method?

5 x 3 = 15

**Part-C**

- 11) Write short notes on growing population and its impact on environment.
- 12) List out the effects of global warming.
- 13) "Ozone is a natural sun block" - Discuss.
- 14) Write about the various types of wastes.

4 x 5 = 20

**Part-D**

- 15) Write an essay on green house gases and their impact on the environment.
- 16) How will you manage hazardous wastes? Discuss it with current knowledge.
- 17) a) What is known as energy crisis? what steps could be taken to solve energy crisis ?

3 x 10 = 30

(OR)

- b) Give an account on poverty?

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