



RDN – 32

B.Sc. (Semester – VI) Examination, April/May 2019
ZOOLOGY (Paper – XV)
Environmental Biology and Toxicology

Duration : 2 Hours

Total Marks : 80

Instructions : 1) **All questions are compulsory.**

2) **Figures to the right indicate full marks.**

1. Write concise notes on **any four** of the following : (4×4=16)
 - a) Migration
 - b) Non-renewable energy resources
 - c) Applications of remote sensing in wildlife studies
 - d) Radioactive fallout
 - e) Forensic toxicology
 - f) Bhopal Gas Tragedy.

2. Answer in brief **any four** of the following : (4×4=16)
 - 1) Neurotic and cardiac poisons
 - 2) Alpha practices
 - 3) Wildlife Protection Act, 1972
 - 4) Density of population
 - 5) Food and Drug toxicology
 - 6) Toxicants in water.

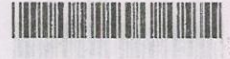
3. A) How do Biotic Potential and Environmental Resistance influence the population dynamics ? 6

OR

A) Discuss in brief the population growth curves. 6

B) Write an account on non-metallic resources of Antarctica. 6

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4. A) Explain in brief the *in-situ* conservation strategies. 6
OR
A) Discuss the causes for depletion of wildlife. 6
B) Write an account on wildlife protected areas in Goa. 6
5. A) Summarise the scope and importance of Toxicology. 6
OR
A) Discuss the sources and toxic effects of Mercury. 6
B) Give a concise account on classification of Insecticides. 6
6. A) Write an account on Corpuscular radiations. 6
OR
A) Discuss in brief the radioactive waste generated from Nuclear Power plants and its effects on human. 6
B) Write a brief note on radioactive fallout. 6

(4x4=16)

2. Answer in brief any four of the following :

- 1) Neurotic and cardiac poisons
- 2) Alpha practices
- 3) Wildlife Protection Act 1972
- 4) Density of population
- 5) Food and Drug toxicology
- 6) Toxicants in water.

3. A) How do Biotic Potential and Environmental Resistance influence the population dynamics ?

OR

A) Discuss in brief the population growth curves.

B) Write an account on non-metallic resources of Antarctica.

P.T.O.