

B.Sc. Semester - 5 (NEP-2020) Examination**Oct/Nov - 2025****ZOO: Environmental Science, Wildlife Population Sampling and Biostatistics (Theory)
(Minor-4)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Give a general account of renewable natural resources.
2. What is non-renewable resources? Give the types, advantages, disadvantages of it.

OR

Que.1 ANSWER THE FOLLOWING QUESTIONS.

1. How does the overexploitation of non-renewable resources impact the environment, economy and future generations?
2. Describe your role for conservation of natural resources.

Que.2 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe Water pollution in detail.
2. Describe Green house effect.

OR

Que.2 ANSWER THE FOLLOWING QUESTIONS.

1. Describe Air pollution in detail.
2. Describe Global Warming.

Que.3 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe invertebrate capture techniques : Light traps and Pitfall traps.
2. Describe detailed capturing and sampling technique of reptiles.

OR

Que.3 ANSWER THE FOLLOWING QUESTIONS.

1. Describe invertebrate capture techniques Sugaring for moths and suction sampling.
2. Describe detailed roost count, point count and migrant count sampling technique of birds.

Que.4 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Explain data classification and tabulation process in details.
2. Describe different types of graphical methods for data visualization.

OR

Que.4 ANSWER THE FOLLOWING QUESTIONS.

1. Describe types of qualitative and quantitative variables in detail.
2. Describe standard deviation and coefficient of variation with examples.

Que.5 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Give the different between renewable and non-renewable resources with examples and explain the importance of conserving non renewable resources.
2. Write a note on Acid rain.

OR

Que.5 ANSWER THE FOLLOWING QUESTIONS.

1. Describe detailed capturing and sampling technique of Amphibia.
2. Describe central tendency in detail.
