REV-01
MSZ/07/12

2025/11

SET A

M.Sc. ZOOLOGY
THIRD SEMESTER
ANIMAL ECOLOGY AND WILDLIFE BIOLOGY-I
MSZ-303(B)

[USE OMR FOR OBJECTIVE PART]

Duration: 1.30 hrs. **Full Marks: 35**

Objective

Time: 15 min. **Marks: 10**

Choose the correct answer from the following: *1X10=10*

1. Which of the following activities are considered as crime on wildlife?
   a. Capturing without permission
   b. Killing without permission
   c. Illegal trading of wildlife products
   d. All of the above

2. Which section of the wildlife act of India deals with the formation of Central Zoo Authority?
   a. Section 39
   b. Section 49
   c. Section 59
   d. None of these

3. National Biodiversity and State Action Plan (NBSAP) prepared with a vision targeting the year-
   a. 2075
   b. 2060
   c. 2040
   d. None

4. Under which section of the wildlife act of India, a forest officer has the power of entry, search, arrest and detention?
   a. Section-39
   b. Section-49
   c. Section-59
   d. None

5. How many species of elephants are there in the world?
   a. Two
   b. Three
   c. Four
   d. Five

6. The Gaia model was formed by James E. Lovelock and _____.
   a. Aristotle
   b. G. J. Mendel
   c. Linneaus
   d. Lynn Margulis

7. Which of the following is a component of the Gaia Hypothesis?
   a. Self regulating
   b. Interconnected
   c. Feedback loops
   d. All of the above

8. Which of the following techniques for the mitigation of HWC has been considered largely ineffective?
   a. Translocation of problematic animals
   b. Compensation

c. Guard dogs
d. Fences

9. The ability to bounce back into its original form after a disturbance is called as-
   a. Resistance
   b. Resilience
   c. Both a & b
   d. None of these

10. Which of the following ecosystems are continuously subjected to environmental disturbances?
   a. Forest
   b. Coasts
   c. Grasslands
   d. Mountains

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(Descriptive)

Time : 1 hrs. 15 min. Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. **Write short notes on -** 5
   Management of wildlife population and their habitat

2. What do you mean by illegal wildlife trade? Write a note on the illegal trade of some major wildlife species of India. 2+8=10

3. Write a note on the National Forest Policy, 1988. 10

4. Write a detail note on Human Wildlife Conflict and its mitigation measures. 10

5. What is the Gaia hypothesis and what does it explain? 10

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