

M.Sc. ZOOLOGY  
THIRD SEMESTER  
WILDLIFE AND CONSERVATION BIOLOGY  
MSZ-302

**SET  
B**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

( Objective )

Marks: 10

Choose the correct answer from the following:

1×10=10

- The ecotone between a grassland and forest is:
  - Wide
  - Can't determine
  - Narrow
  - Negligible
- Small invertebrates can be sampled by:
  - Transect
  - Quadrat
  - King's Census
  - Aerial count
- Which of the following is an endemic species?
  - Kangaroo
  - Golden langur
  - Pygmy Hog
  - All of the above
- For which of the following methods, not much of training is required?
  - Quadrat
  - King's Census
  - Camera trap
  - Water hole census
- For getting good results which of the following methods should be done on a full moon night?
  - Camera trap
  - Water hole census
  - King's Census
  - Radio collar
- Endangered species are those whose population has been declined by:
  - 20% in 10 years
  - 20% in 5 years
  - 20% in 2 years
  - None
- Under which section of the wildlife act, a national park is declared in India?
  - Section-9
  - Section-11
  - Section-12
  - None
- Which criteria of species are presently not there in the IUCN threatened category?
  - Extinct in the wild
  - Vulnerable
  - Not evaluated
  - None
- Most of the herbivores have the tendency to eat soil to fulfill the shortage of:
  - Carbohydrates
  - Protein
  - Salts
  - None

10. IUCN was established in:
- a. 1946
  - c. 1948

- b. 1947
- d. None

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**( Descriptive )**

Time : 1 hr. 15 mins.

Marks : 25

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

- |                                                                                                                                                                   |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. Write short notes on the following: ( <i>any one</i> )                                                                                                         | 5        |
| a) IUCN                                                                                                                                                           |          |
| b) Ecotone                                                                                                                                                        |          |
| 2. Define wildlife conservation. Write a note on the biological basis of wildlife conservation.                                                                   | 2+8=10   |
| 3. Define ecological succession. How the ecological succession has an important role in grassland management? Mention its implication in the forest conservation. | 2+4+4=10 |
| 4. What do you mean by wildlife census? Explain the different methods in which wildlife census is done.                                                           | 2+8=10   |
| 5. What is wildlife? Write down the causes of depletion and importance of wildlife.                                                                               | 2+8=10   |

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