

M.Sc. ZOOLOGY  
FOURTH SEMESTER  
ANIMAL ECOLOGY AND WILDLIFE BIOLOGY-IV  
MSZ-402 B

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

**( Objective )**

Time: 15 mins.

Marks: 10

*Choose the correct answer from the following:*

*1 × 10 = 10*

1. Bio-geographically, India is situated at the tri-junction of three realms:
  - a. Indo-tropical, Indo-Malayan and Paleo-Arctic
  - b. Indo-tropical, Afro-Malayan and Paleo-Arctic
  - c. Afro-tropical, Indo-Malayan and Paleo-Arctic
  - d. None of the above
2. How many World Heritage Sites are there in India?
  - a. 10
  - b. 11
  - c. 13
  - d. None of the above
3. There are..... number of biodiversity hot spots which fall in India.
  - a. Four
  - b. Five
  - c. Six
  - d. None of the above
4. How many Flagship species are there in India?
  - a. 12
  - b. 21
  - c. 31
  - d. None of the above
5. Inbreeding results..... in population size.
  - a. Increase
  - b. Decrease
  - c. Stable
  - d. None of the above
6. Eco-development is a .....strategy.
  - a. Nuclear
  - b. Singular
  - c. Multi stakeholder
  - d. All of the above
7. Highest elephant poaching was recorded in.....
  - a. Meghalaya
  - b. Odisha
  - c. Assam
  - d. Andhra Pradesh
8. Highest elephant train kill was recorded in.....
  - a. Meghalaya
  - b. Odisha
  - c. Assam
  - d. Andhra Pradesh
9. Vegetation covers helps reduce .....in Rajasthan.
  - a. Heat
  - b. Desertification
  - c. Rainfall
  - d. Humidity

10. Mawphlang sacred groove is located in:

- a. East Khasi Hills
- c. Ribhoi

- b. West Khasi Hills
- d. Garo Hills

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**( Descriptive )**

Time : 1 hr. 15 mins.

Marks : 25

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

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|--|----------|
| 1. Write short notes on the following:   | 2.5×2=5  |
| a) Species diversity   |          |
| b) Value of biodiversity   |          |
| 2. Define the term biodiversity. What are the different levels of biodiversity? Also brief about the different values of biodiversity. | 2+3+5=10 |
| 3. Define sacred grove. How it helps in the conservation of wildlife?  | 1+9=10   |
| 4. Write an explanatory note on human wildlife conflict.   | 10       |
| 5. What is eco-development? Write about its importance and issues.   | 10       |

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