2023/12

M.Sc. ZOOLOGY
THIRD SEMESTER
ANIMAL ECOLOGY AND WILDLIFE BIOLOGY-II
MSZ-304 B
[USE OMR SHEET FOR OBJECTIVE PART]

SET A

Duration: 1hr. 30 mins.

Full Marks: 35

(Objective)

Time: 15 mins.

Marks: 10

Choose the correct answer from the following:

1×10=10

1. How many tiger reserves are there in India?
   - a. 50
   - b. 60
   - c. 70
   - d. None

2. How many Ramsar Sites are there in India?
   - a. 25
   - b. 37
   - c. 44
   - d. None

3. How many types of forests are there in Northeast India?
   - a. Seven
   - b. Six
   - c. Five
   - d. None

4. How many zones are there in a Tiger Reserve?
   - a. Two
   - b. Three
   - c. Four
   - d. None

5. Which drug was responsible for 99% decline of vulture populations in India?
   - a. Diclofenale
   - b. Diclofenal
   - c. Diclofenac
   - d. None

6. Which of the following ecotone is formed between a fresh water and salt water ecosystem?
   - a. Mangrove
   - b. Delta
   - c. Estuary
   - d. Both a & c

7. In order to co-exist, species must shift their …………..niche.
   - a. Trophic
   - b. Behavioural
   - c. Spatial
   - d. Diurnal

8. Which of the following is an invasive species causing adverse effects in India?
   - a. Elephant
   - b. Lantana
   - c. Olive Ridley turtle
   - d. None

9. An ecotone is also called a zone of:
   - a. Tension
   - b. Stimulation
   - c. Action
   - d. All of the above

10. In the experimental basis of the Gause's Exclusion principle, which paramecium emerged as successful in the early stages?
    a. *P. aurelia*
    c. *P. caudum*
    b. *P. caudatum*
    d. Both a & b

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(Descriptive)

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

1. Write short notes on the following: (*any two*)　　　　　2.5+2.5=5
   a) Tiger Project
   b) Rhino Vision 2020
   c) Conservation of Vulture

2. Define wetland. Classify the wetland. Write a note on the ecological　2+6+2=10
   importance of wetland.

3. Define weed. Classify weed and also write a note on the different　2+4+4=10
   methods of weed management.

4. What is the Gause's Exclusion principle? Explain with the help of　5+5=10
   examples.

5. What is an invasive species? Explain the effects of invasive species with　5+5=10
   a national and global example.

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