

M.Sc. ZOOLOGY
FOURTH SEMESTER
ANIMAL ECOLOGY & WILDLIFE BIOLOGY-III
MSZ-401 B

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1 × 20 = 20

- Most of the herbivores have the tendency to eat soil in order to fulfill the shortage of:
a. Carbohydrates
b. Minerals
c. Protein
d. None of the above
- In which river of Assam, crocodiles have been released?
a. Brahmaputra
b. JiaBharalu
c. Lohit
d. None of the above
- In which of the zoos in Northeast India, there is a conservation breeding programme for crocodiles?
a. Guwahati
b. Itanagar
c. Kohima
d. None of the above
- How much area of wetland is disappearing in India every year?
a. 2-3%
b. 5-6%
c. 10-12%
d. None of the above
- How many Ramsar Sites are there in NE India?
a. 25
b. 37
c. 44
d. None of the above
- In which year, Ramsar Sites convention was signed?
a. 1962
b. 1972
c. 1982
d. None of the above
- In which day of the year, the World Wetland Day is celebrated in the world?
a. 2nd February
b. 2nd March
c. 2nd April
d. None of the above
- Area with rotting vegetation is called:
a. Swampy area
b. Marshy area
c. Bogs
d. None of the above
- India has totally 67,429 wetlands, which cover an area of aboutmillion hectares.
a. 3.1
b. 4.1
c. 5.1
d. None of the above
- Which of the following species represents the Trans-Himalayas Zone?
a. Bengal florican
b. Hoolock gibbon
c. Markhor
d. None of the above

11. Which is the first wetland in Maharashtra to be acclaimed by Ramsar Convention?
 - a. Nangal
 - b. Nandur
 - c. Miani
 - d. Saman
12. In which state does the Sarsai Nawar wetland falls into?
 - a. Maharashtra
 - b. Punjab
 - c. Uttar Pradesh
 - d. Odisha
13. In which state does the Nangal wetland falls into?
 - a. Maharashtra
 - b. Punjab
 - c. Uttar Pradesh
 - d. Odisha
14. Piped water connection to every household by 2024 falls under:
 - a. Jal se jal
 - b. Jal se nal
 - c. Nal se jal
 - d. Jal se jeevan
15. How many contracting parties are there in Ramsar convention as of January 2024?
 - a. 172
 - b. 182
 - c. 162
 - d. 72
16. National wetlands account to..... % of the total geographical area.
 - a. 5.63
 - b. 17.63
 - c. 4.63
 - d. 14.63
17. Decrease of the interior of the forest is the decrease in..... ratio.
 - a. Edge
 - b. Ecotone
 - c. Central
 - d. None of the above
18. Habitat fragmentation of tropical rainforests in Euramerica led to a loss of..... diversity.
 - a. Reptilian
 - b. Amphibian
 - c. Mammalian
 - d. Piscian
19. Reasons for fragmentation includes:
 - a. Urbanization
 - b. Hydroelectric reservoirs
 - c. Railway
 - d. All of the above
20. Habitat fragmentation leads to:
 - a. Ecotone effects
 - b. Edge Effects
 - c. Both of the above
 - d. None of the above

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Define zoo. How many types of zoos are there in India? Write a note on the National Zoo Policy. | 2+4+4=10 |
| 2. What do you mean by the Ramsar Convention? What is its mission and objectives? Mention the name of Ramsar sites of NE India. | 2+5+3=10 |
| 3. Define the term zoo-geography. Write a note on the zoo-geographic distribution of species in India. | 1+9=10 |
| 4. What do you mean by habitat restoration? Write about the different methods used for restoring the wildlife habitat. | 2+8=10 |
| 5. What is habitat fragmentation? Write about the causes and risks of habitat fragmentation. | 2+8=10 |
| 6. Write an explanatory note on Ramsar Convention. | 10 |
| 7. Discuss about the Gap dynamics and Gap formation. Define Groups, Coupes and Patches. | 5+5=10 |
| 8. Discuss about the Gap Synthesis. How does Gap dynamics control forest ecosystem management? | 6+4=10 |

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