QP Code : U25DRIS056

Reg. No : .....

Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

I SEMESTER (FYUGP) DEGREE EXAMINATIONS, NOVEMBER 2025
(Regular/Improvement/Supplementary)
ZOO1MN101 : FOUNDATIONS OF ENVIRONMENTAL BIOLOGY & ANIMAL BEHAVIOUR
2024 Admission Onwards
(Credits: 4)

Time : 2 Hours **Maximum Marks : 70**

Section A

*Answer **all**. Each question carries **3** Marks.* ***(Ceiling: 24 Marks)***

1. Mention the classification of Grasslands.
2. Describe the significance of the food web.
3. What is the signifiance of Phosphorus cycle?
4. Describe the role of Wetlands in environmental protection.
5. Describe how you would identify an elephant in Musth.
6. Prove how Territoriality enhances the survival of species.
7. Discuss the ecological roles of Heterotrophs in nutrient cycling.
8. Describe the adaptations of Benthic organism.
9. Mention 4 key pioneers in the field of Ethology.
10. Describe Abiotic components of the Ecosystem.

Section B

*Answer **all**. Each question carries **6** Marks.* ***(Ceiling: 36 Marks)***

11. Explain the laws of Thermodynamics. How could it be applied to ecological energetics?
12. Assess the impact on the forest food chain after a flood?
13. Illustrate how keystone species are important for maintaining ecosystem stability.
14. Illustrate how e-waste regulations are significant in your locality.
15. Describe signicance of Insight Learning.
16. Classify the Pheromones and mention its significance.
17. Examine the role of temperature stratification in lentic habitats and its impact on biodiversity.
18. Analyze how herbivory and parasitism influence organisms.

Turn Over

Section C

Answer ***any one****. Each question carries* ***10*** *Marks.* ***(1x10=10 Marks)***

19. How does understanding the scope of ecology contribute to solving environmental issues, relate with examples?

20. Evaluate the basic features of Social organizations in mammals.

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