QP Code: D 113158	Total Pages: 1	Name:
		Register No.

FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024

(CUFYUGP)

ZOO1MN101 Foundations of Environmental Biology and Animal Behaviour

2024 Admission onwards

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

Section A

All Questions can be answered. Each Question carries 3 marks (Ceiling : 24 Marks)

1	How does ecology function as an interdisciplinary science?
2	Explain energy transfer and transformation in an ecosystem.
3	What are the roles of biogeochemical cycles in sustaining an ecosystem?
4	What are the key characteristics of the alpine biome?
5	Describe how animals are adapted to live in abyssal habitats.
6	Outline the key features of the National Environmental Policy, 2006.
7	Discuss R and K species, providing examples.
8	Write on visual communication among animals.
9	Comment on the contributions of Konrad Lorenz to the field of animal behavior.
10	Discuss taxes in animal behavior.

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling : 36 Marks)

11	Describe the food chain in a marine ecosystem.
12	Describe the fauna of intertidal muddy shores and their adaptations.
13	What are the characteristics of freshwater habitats, and how do they differ from marine habitats?
14	Elaborate on the significance of parasitism and predation as species interactions found in biological communities with suitable examples.
15	Discuss the e-waste (Management) Rules, 2016 in India and assess their effectiveness in addressing e-waste pollution.
16	Describe different types of dispersion patterns found in populations.
17	Discuss habituation and how it is connected to human life.
18	Explain how instinctive behaviors differ from learned behaviors.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

19	Prepare a schematic representation of nitrogen cycle and discuss the role of microbes in it.
20	Elaborate on the social organization of termites and elephants.