

QP Code: D132897	Total Pages: 1	Name:
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FIRST SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(CUFYUGP)

ZOO1MN101 Foundations of Environmental Biology and Animal Behaviour
2024 Admission onwards

Maximum Time :2 Hours	Maximum Marks :70
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Section A

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

1	What are the scopes of environmental education?
2	Define primary productivity and differentiate between GPP and NPP.
3	Explain the role of microorganisms in biogeochemical cycles.
4	What are the key characteristics of savannas?
5	Describe how animals are adapted to live in pelagic habitats.
6	What are the key features of the Solid Waste Management Rules, 2016?
7	Explain carrying capacity and how it affects population growth.
8	Comment on the contributions of Karl von Frisch to the field of animal behavior.
9	Discuss kinesis in animal behavior.
10	Write on social organization of termites.

Section B

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

11	Describe the various components of an ecosystem, using forest as a model.
12	Discuss the characteristics and adaptations of fauna inhabiting freshwater habitats.
13	What are the characteristics of terrestrial habitats, and how do they differ from aquatic habitats?
14	Analyze the interspecies interactions found in biological communities and their ecological implications.
15	Discuss the Plastic Waste Management Rules, 2016 in India and assess their effectiveness in addressing plastic pollution.
16	Elaborate on the ecological importance of keystone species providing examples.
17	Describe two examples of habituation familiar to common man.
18	Elaborate on the chemical communication methods used by animals.

Section C

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

19	Discuss energy transfer and transformation in ecosystems and how the laws of thermodynamics are connected to it.
20	Describe conditioned reflexes and latent learning, providing examples.