

FIRST SEMESTER FYUGP EXAMINATION NOVEMBER 2025**(Regular/Improvement/Supplementary)****MINOR****ZOO1MN101: FOUNDATIONS OF ENVIRONMENTAL BIOLOGY & ANIMAL BEHAVIOUR****Time: 2 Hrs.****Maximum Marks: 70**

M: Mark

BL: Bloom's Taxonomy Level (1 to 6)

CO: Course Outcome

Section A: Answer all questions. Each carries 3 marks. Ceiling: 24 Marks				
No.	Question	M	BL	CO
1.	Assess the importance of abiotic components in maintaining ecosystem balance.	3	5	CO1
2.	Give an example of a biome and describe how it adapts to its climate conditions.	3	3	CO1
3.	Justify why biodiversity levels vary between different biomes.	3	5	CO1
4.	Propose three ways individuals can help reduce biodiversity loss.	3	6	CO2
5.	Discuss the salient features of e-waste management rules, 2016.	3	3	CO2
6.	Assess the impact of the Wildlife (Protection) Act, 1972, on India's biodiversity over the years.	3	5	CO2
7.	What are the different branches of Ethology?	3	1	CO3
8.	Explain trial and error learning.	3	2	CO3
9.	Comment on division of labour based on white ant community.	3	1	CO4
10.	Write brief notes on social organization in elephant.	3	1	CO4
Section B: Answer all questions. Each carries 6 marks. Ceiling: 36 Marks				
No.	Question	M	BL	CO
11.	Compare the process of non-biological nitrogen fixation with biological nitrogen fixation.	6	4	CO1
12.	Evaluate how use of nitrogen fixers influence nitrogen cycle.	6	5	CO1
13.	Analyse the characteristic differences between lentic & lotic ecosystems.	6	4	CO1
14.	Given that a population's growth rate starts to slow, identify possible factors that might lead to this change. Substantiate your answer with reasons.	6	3	CO2
15.	Differentiate between density-dependent and density-independent factors with examples, in relation to population growth regulation.	6	5	CO2
16.	Analyze the effects of predation on the prey population within a community.	6	4	CO2
17.	Give an account on chemical communication.	6	1	CO3
18.	Write short notes on imprinting.	6	1	CO4
Section C: Answer any one question. Each carries 10 marks. (1 x 10 = 10 Marks)				
No.	Question	M	BL	CO
19.	Write an essay on the structure of an ecosystem with specific roles played by each components.	10	2	CO1
20.	Analyse on the major factors leading to biodiversity loss.	10	4	CO2