Reg. No ..... Name **26P207**

M. Sc. DEGREE END SEMESTER EXAMINATION - APRIL 2026

SEMESTER 2 : ZOOLOGY

COURSE : **24P2ZOOT05 : FIELD ECOLOGY**

(For Regular 2025 Admission and Improvement/Supplementary 2024 Admission)

Time : Three Hours Max. Weights: 30

PART A

Answer any 8 questions **Weight: 1**

1.	Differentiate between autogenic succession and allogenic succession.	(A)
2.	Comment on trophic levels.	(U)
3.	Differentiate fundamental and realized niche.	(A)
4.	Define population density.	(U)
5.	Define 'wetlands'.	(R)
6.	Differentiate between guild and ecological equivalents.	(A)
7.	Briefly explain Energy Audit.	(U)
8.	Comment on the indices of relative abundance of population.	(U)
9.	Define the third law of thermodynamics.	(U)
10.	How do feedback mechanisms control the cybernetic nature of an ecosystem?	(U)

(1 x 8 = 8)

PART B

Answer any 6 questions **Weights: 2**

11.	Comment on the ecological and evolutionary effects of competition.	(U)
12.	Briefly explain water conservation measures.	(U)
13.	Comment on the concept of homeostasis.	(A)
14.	Write a note on the trends expected during the course of autogenic succession of ecosystems.	(A)
15.	Bring out the significance of character displacement considering various animal groups.	(An)
16.	Elucidate phosphorous cycle with a flow chart.	(A)
17.	Differentiate between r and k selection.	(A)
18.	Explain Green Technology and sustainable development.	(U)

(2 x 6 = 12)

PART C

Answer any 2 questions **Weights: 5**

19.	Write an essay on the Causes and consequences of deforestation and Conservation of Forests.	(U)
20.	Write notes on biogeochemical cycles.	(R)
21.	Explain resource partioning quoting suitable examples.	(U)
22.	Write an essay on the characteristics of a population.	(U)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;