

QP Code: D 122676		Total Pages: 1	Name:
			Register No.
SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2025			
ZOOLOGY			
ZOO2CJ101: ENVIRONMENTAL BIOLOGY & 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	What is instinctive behaviour? Give an example.		
2	What is a gaseous cycle? Give an example.		
3	Distinguish between r-selected and k-selected species.		
4	Briefly explain the role of decomposers in an ecosystem.		
5	Why is the pyramid of energy never inverted?		
6	What is biotic potential? How does it affect population density?		
7	What is permafrost? Where is it found?		
8	Mention any three planktonic adaptations.		
9	What is habituation? Mention its significance.		
10	Mention any three contributions of Konrad Lorenz.		
Section B			
All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)			
11	Give a brief account of the social structure of elephant societies.		
12	Briefly explain the process and uses of conditioned reflexes.		
13	What are ecological adaptations seen in the fauna of the benthic habitat?		
14	Explain the important features of an S-shaped growth curve with a diagram.		
15	Explain how predation differs from herbivory with suitable examples.		
16	List the importance and key features of National Water Policy, 2002?		
17	Briefly explain the zonation in a marine habitat.		
18	Write a brief account of the phosphorus cycle.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
19	Give a detailed account of the various concepts of ecosystem productivity.		
20	Write an essay on the various strategies of animal communication.		