

QP Code: D141392		Total Pages: 1	Name:
		Register No.	
SECOND SEMESTER (CUFYUGP) DEGREE EXAMINATION, APRIL 2026			
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	Differentiate between the pyramid of numbers and the pyramid of energy.		
2	What is a food chain? Give an example from a grassland ecosystem.		
3	Distinguish between synecology and autecology.		
4	What are the key features of chaparral?		
5	List the adaptations found in organisms of the rocky shore habitat.		
6	What is a keystone species? Give an example.		
7	Define metapopulation.		
8	Define tactile communication with a suitable example.		
9	What is imprinting? Mention its significance.		
10	What is a releaser stimulus? Give an example.		
Section B			
All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)			
11	Write a brief account of the nitrogen cycle.		
12	Briefly explain the features of a mangrove ecosystem.		
13	What are ecological adaptations seen in the fauna of the marine pelagic region?		
14	Explain the common population growth curves with illustration.		
15	Explain how parasitism differs from allelopathy with suitable examples.		
16	What are the key features of the National Environmental Policy, 2006?		
17	Briefly explain the social structure of a termite colony.		
18	Write a brief account of different types of innate behaviour.		
Section C			
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)			
19	Write an essay on the different biotic and abiotic components of an ecosystem. Add a note on the energy flow in an ecosystem.		
20	Give a detailed account of the various types of learned behavior.		