

QP Code:D133914	Total Pages:1	Name:
		Register No.
THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025		
(CUFYUGP)		
ZOO3CJ201 SYSTEMATICS, EVOLUTION & ZOOGEOGRAPHY		
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.	List three criticisms against two-kingdom classification.	
2.	Mention three major criticisms against Darwinism.	
3.	State three major features of Anthropocene epoch.	
4.	Define cytotaxonomy. Give three examples of cytological markers	
5.	What is a connecting link in evolution? Give two examples.	
6.	List three faunal characteristics of the Nearctic realm.	
7.	Give three differences between organic and inorganic evolution.	
8.	What are the important postulates of Synthetic theory of evolution?	
9.	List any three features of Indian coastal zone fauna.	
10.	Define reproductive isolation. Give two mechanisms of reproductive isolation.	
Section B		
All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)		
11..	Explain barcoding techniques and their applications in taxonomy.	
12.	Describe embryological evidence of evolution with reference to comparative development.	
13.	Analyze the merits and demerits of five-kingdom classification.	
14.	Explain the Oparin–Haldane hypothesis of origin of life.	
15.	Discuss Weismann’s theory of germplasm.	
16.	Explain genetic drift with suitable examples and consequences.	
17.	Write an account of barriers to animal distribution.	
18.	Explain the faunal characteristics of the Oriental realm.	
Section C		
Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)		
19.	Describe the main postulates of Darwin’s theory of Evolution with example. Add a note on neo-Darwinism.	
20.	Give a detailed account of the biogeographic zones of India with its features and examples of representative fauna.	