

Reg. No.:



Name:

University of Kerala

W6733

Third Semester FYUGP Degree Examination, November 2025

Discipline Specific Core Course

ZOOLOGY

UK3DSCZOO202 - Diversity of Chordates

Academic Level: 200-299

2024 Admission

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

**Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark
Each.Answer all questions**

Qn No.	Question	CL	CO
1	Name the State Fish of Kerala Options : A)Sardine B)Etroplus C)Mackerel D)Shark	RE	1
2	The third molar in humans is commonly known as Options : A)Corner tooth B) Wisdom tooth C)Milk tooth D)Grinder tooth	RE	4
3	Which of the following is an apomorphy of reptiles? Options : A)Moist glandular skin B)External fertilization C)Amniotic egg with leathery shell D)Presence of lateral line system	UN	1
4	The evolutionary significance of amphibians is that they represent: Options : A)The first amniotes B)The first vertebrates to invade land C)The earliest flying vertebrates D)The first endothermic animals	UN	2
5	Ascidia is a	UN	1

Qn No.	Question	CL	CO
	Options : A)Urochordate B)Chordate C)Cephalo chordate D)Agnatha		
6	The voice-producing organ in birds is: Options : A)Larynx B)Trachea C)Syrinx D)Bronchi	UN	3

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain apomorphies of Chordates	UN	1
8	Match the following: A. Anura 1. Extinct B. Lepidospondyli 2. Salamander C. Gymnophiona 3. Toad D. Urodela 4. <i>Ichthyophis</i>	UN	3
9	Prepare a brief note on any four snake species of India	AP	4
10	Explain any four characters of Marsupilia	AP	2

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) Classify chordates applying the cladistic classification with emphasize of apomorphies of each clade OR B) List out the important features of Chordates and classify them with suitable examples.	AP	1, 1
12	A)	AN	5, 5

Qn No.	Question	CL	CO
	Differentiate between the orders Anura and Urodela by analyzing their structural and ecological adaptations. OR B) Analyse the adaptations in the respiratory system of frog that help them to breath both in water and land		
13	A) Explain the structural adaptations of feathers in birds OR B) Differentiate between turtles, tortoises, and terrapins with respect to habitat, morphology, and locomotion.	EV	4, 4
14	A) Prepare an essay on different types of dentition in mammals. OR B) Design the systematic position of arboreal mammals and write notes on their features	CR	4, 3