

Reg. No.:



W6927

Name:

University of Kerala

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 mode of respiration in frog Options : A)Cutaneous respiration B)Gill respiration C)Pulmonary respiration D)Cutaneous and Pulmonary respiration	RE	4
2	Name the state bird of Kerala Options : A)Great hornbill B)Malabar whistling thrush C)Rose- ringed parrot D)Indian Peacock	RE	3
3	Identify the poisonous snakes found in India from the group. i) Python & Sand Boa ii) King Cobra & Common Krait iii) Rusell's Viper & Indian Cobra iv) Rat Snake & Indian Rock Python Options : A) ii and iii B) i and iii C) iii and iv D) i only	UN	3
4	Frogs and salamanders are grouped under Batrachia because they share:	UN	2

Qn No.	Question	CL	CO
	Options : A) External fertilization and aquatic larval stages B) Amniotic eggs and scales C) Viviparity and feathers D) Endothermy and hair		
5	Oral cirri and wheel organs are specialized feeding adaptations in Options : A) Cephalochordates B) Urochordates C) Squamates D) Anurans	UN	5
6	Identify the clade to which <i>Macropus</i> belongs Options : A) Metatheria B) Prototheria C) Eutheria D) Urodela	UN	1

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	Discuss the arboreal adaptations of chameleon	UN	5
8		UN	2
8		UN	2
9	Illustrate typical vertebrae of frog.	AP	4

Qn No.	Question	CL	CO
10	Illustrate an outline of fish classification.	AP	3

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) Prepare a comparative table of Urochordata and Cephalochordata showing their key apomorphies, habitats, with examples each. OR B) Prepare a note on common freshwater fishes of Kerala, mentioning their socioecological significance.	AP	5, 3
12	A) Analyze the adaptive differences and similarities of Anura and Urodela. Illustrate your answer with examples OR B) Compare and analyze the respiratory mechanisms of frogs in relation to habitat and activity.	AN	5, 4
13	A) Prepare a note on the origin and evolution of reptiles, with a brief mentioning of dinosaurs. OR B) Evaluate the aerial adaptation of birds focusing on the morphological and anatomical characters	EV	2, 5
14	A) Create a comparative account of Prototheria, Metatheria, and Eutheria OR B) Construct a comparative evolutionary account of dentition in mammals.	CR	4, 2