

U.G. 3rd Semester Class Test 2023

Subject: ZOOLOGY

Raghunathpur College

Course Code: BZ00CCHC301

Course Title: Diversity of Chordata

Full Marks 30

Time 2 hours

The figures in the right hand side margin indicate marks. Candidates are required to give their answers in their own words as far as practicable.

1. Answer any ten from the following:

1X 10 = 10

- Write down the excretory organ of *Amphioxus* sp.?
- What is endostyle?
- State two non-mammalian characters of prototheria.
- Give an example of synapsid skull
- What is organ of Jacobson?
- What do you mean by ductus pneumaticus?
- What is an example of a Zugunruhe?
- What is meant by homocercal tail?
- Why the name 'cyclostomata' is given to the class?
- What is Mermaid's Purse?
- Why the name 'cyclostomata' is given to the class?
- What is pygostyle?
- What is opposable thumb?
- Provide two example of order Urodela.
- What is Wallace line?

2. Answer any five questions from the following:

2×5=10

- What do you mean by physostomous and physoclistous swim bladder?
- What is zoogeography? Name a bird and a mammal from the Ethiopian region..
- What is labyrinthine organ? Where does it occur?
- Write the advantages and disadvantages of bird migration.
- Give a note on adaptive radiation.
- How are mammals, birds, and reptiles adapted to a dry terrestrial environment?
- What is the function of barbules? State one unique feature of Amphibia.
- Name one muscle and ligament associated with biting mechanism in snakes

3. Answer any two questions from the following:

5×2=10

- What is echolocation? Write a brief note about how chiropterans' morphological and neural changes facilitate echolocation. 1+2.5+1.5
- What do you mean by Parental care? Describe the means of Parental care with Nest building behaviour in fishes. 1+4=5
- Write down the retrogressive metamorphosis in *Ascidia* sp. What do you mean by filter feeding? 3 +2