QP CODE: 23127265

23127265

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Third Semester

Core Course - ZY3CRT03 - ANIMAL DIVERSITY - CHORDATA

(Common to B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology)

2017 Admission Onwards

580F1730

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What is the primary function of notochord?
2. Comment on tail shift in larvacea.
3. Comment on Ascidiacea.
4. Which are the larval stages of Doliolum?
5. Comment on Hatscheks pit in Ambhioxus.
6. Name the fish which is called as the living fossil.
7. Comment on climbing perch.
8. List any two adaptations of Hyla.
9. Name the membrane surrounding heart and lungs in Frog.
10. Name the sound producing organ in Aves.
11. What are perineal glands?
12. What is placenta?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What are the characteristic features of Urohordata?

14. Mention the salient features of Ostracoderms and give an example.

15. Comment on Dipnoi and give an example.

16. Mention the salient features of Elasmobranchii.

17. State suitable reasons to suggest that Sphenodon is a living fossil.

18. Mention the modifications of the endoskeleton of Birds for flight.

19. Justify the statement "Prototherians are unfinished mammals".

20. Give an account on pouched mammals.

21. Detail the structure of mammalian tooth.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Write an essay on Parental care in fishes.

23. Illustrate the key for the identification of poisonous and nonpoisonous snakes.

24. Outline the classification of Class Mammalia.

25. Write an essay on aquatic adaptations in mammals.

(2×10=20)