21102003

**QP CODE: 21102003**

**Reg No** : .....

**Name** : .....

## B.Sc DEGREE (CBCS)EXAMINATION, AUGUST 2021

### 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

8C2C0B50

Time: 3 Hours Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

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

1. What is Neoteny?
2. Comment on tail shift in larvacea.
3. Comment on Ascidiacea.
4. Comment on Thaliacea.
5. Comment on Hatscheks pit in Ambhioxus.
6. What are neuromast sense organs?
7. Comment on Placoid Scales.
8. Name the classes under superclass Tetrapoda.
9. Name the bones of the cranium.
10. List out the advantages of Migration in Birds.
11. Name the occipital bones in the skull.
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 Holocephali.

15. Comment on Dipnoi and give an example.

16. Mention the salient features of Elasmobranchii.

17. Mention the salient features of Class Amphibia. Classify up to orders and give example for each.

18. Describe the Salient features of order Crocodilia with example.

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

20. Give an account on pouched mammals.

21. Explain the theories of origin of molars in mammals.

(6×5=30)

## Part C

*Answer any **two** questions.*

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

22. Write an essay on Parental care in fishes.

23. Classify class Aves giving salient features and examples up to superorder.

24. Outline the classification of Class Mammalia.

25. Write an essay on aquatic adaptations in mammals.

(2×10=20)