

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023**(Regular/Improvement/Supplementary)****ZOOLOGY****GZOL4B04T: ANIMAL DIVERSITY CHORDATA PART- II****Time: 2 Hours****Maximum Marks: 60****SECTION A: Answer the following questions. Each carries 2 marks.****(Ceiling 20 Marks)**

1. What are the predatory adaptations of *Mylvus*.
2. Mention the important features of Passeriformes
3. What are the significant features of Chrysochloridea?
4. Why Archaeopteryx is considered as a glorified reptile?
5. Write note on the Hyoid apparatus of rock pigeon.
6. Comment on *Bursa of Fabricius*
7. What are the significant features of Eutheria?
8. Comment on the features and significance of *Macaca silemus*
9. Sketch and label the typical vertebra of *Oryctolagus cuniculus*.
10. What is coprophagy? Give an example.
11. Explain the dentition of rabbit.
12. What are the important differences between the excretory systems of Aves and Mammals?

SECTION B: Answer the following questions. Each carries 5 marks.**(Ceiling 30 Marks)**

13. Briefly explain about the avian and reptilian features of Archaeopteryx.
14. Discuss the adaptations of an aquatic bird.
15. Describe the pelvic girdle of *Columba livia*.
16. Comment on the important features of Carnivores with emphasis on the *Panthera* species in India.
17. What are the important features of placental mammals? Mention any two examples.
18. Describe the structure of mammalian heart.
19. Explain the variation in heart structure in vertebrates from fishes to mammals.

SECTION C: Answer any 1 question. Each carries 10 marks.

20. Describe the auditory organ of *Columba livia*. Explain the mechanism of hearing
21. Explain the respiratory system of *Oryctolagus cuniculus*. Explain the mechanism of respiration.

(1 x 10 = 10 Marks)