

B. Sc DEGREE END SEMESTER EXAMINATION - OCT. 2020 : JANUARY 2021**SEMESTER 3 : ZOOLOGY****COURSE : 19U3CRZOO3 : ANIMAL DIVERSITY – CHORDATA***(For Regular - 2019 Admission)*

Time : Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. What is the name of the vertebrate division in which animals possess true jaws?
2. Which of the below given group is not included in the superclass tetrapoda?
a) Ascidia b) Amphibia c) Aves d) Reptilia
3. What is the scientific name of river lamprey?
4. In which class of fishes *Latimeria* is included?
5. What is an axial skeleton?
6. What is pyloric sphincter?
7. Order Tubulidentata includes the animal called.
8. What is the diaphragm?

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. What is the function of pharyngeal clefts in chordates?
10. What are the names of classes coming under the superclass Tetrapoda?
11. What is the peculiar mode of feeding in *Petromyzon*?
12. What is *Cephalaspis*?
13. Enumerate the salient features of order squamata
14. Enumerate the salient features of subclass diapsida
15. What are the modifications in the male Echidna?
16. Differentiate the pleural and pericardial cavities.

(2 x 6 = 12)**PART C****Answer any 4 (4 marks each)**

17. Describe the formation of gill slits and their modifications and functions in chordates.
18. Describe the body structure and nutrition in *Petromyzon* and its larva. How the adult and larva is different in feeding structure?
19. Discuss the morphology of an animal that belongs to the agnathan class Ostracodermi. Enlist the salient features of the Class Ostracodermi.
20. Categorise the vertebra of frog into different type with their specialities
21. Outline the classification of class aves along with salient features
22. Prototheria are regarded as unfinished mammals. Explain.

(4 x 4 = 16)**PART D****Answer any 2 (12 marks each)**

23. Explain the outline classification of phylum Chordata by giving description of salient features of each subphylum and divisions
24. Discuss the parental care exhibited by fishes.
25. Simplify and draw the arterial system of frog with a neat diagram
26. Explain the male reproductive system of rabbit with a neat diagram.

(12 x 2 = 24)