

**B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017**  
**( Supplementary – 2014 Admission )**  
**SEMESTER IV - CORE COURSE (ZOOLOGY)**  
**ZOO4ADC - ANIMAL DIVERSITY- CHORDATA**

**Time: Three Hours****Maximum Marks: 60****PART A****I. Answer all questions. Each question carries 1 mark.**

1. What is keel?
2. Write on heterocercal caudal fin.
3. Which is the organism have pharyngeal basket?
4. Name the larval form of Petromyzon.
5. Define amphicoelous centrum.
6. Scientific name of frog.
7. What is syrinx?
8. Write any two adaptations of chameleon.

**(8x1=8)****PART B****II. Answer any six questions. Each question carries 2 marks.**

9. What is Synsacrum?
10. Write short note on neoteny.
11. What is pygostyle?
12. Mention the reptilian features of Archaeopteryx.
13. Sketch and label the brain of frog.
14. Describe the evolutionary importance of Latimeria.
15. Write a note on Holostei. Give example.
16. Write a short note on *Doliolum*.
17. Give an account on Proboscidea.
18. Spenodon is said to be a living fossil. Why?

**(6x2=12)****PART C****III. Answer any four questions. Each question carries 4 marks.**

19. Describe Ascidian tadpole.
20. Explain the reproductive system of frog.
21. Write any five salient features and outline classification of class Aves.
22. Write an account on Archaeopteryx.
23. Explain Metatheria with example.
24. Sketch and label the pectoral girdle of frog and add a note on it.

**(4x4=16)**

## **PART D**

**IV. Answer any two questions. Each question carries 12 marks.**

25. Classify Reptilia giving the general characters with examples.
26. Write an essay on flight adaptation in birds.
27. Give an account on dentition in mammals.
28. Write a detailed account on the arterial system of frog.

**(2x12=24)**