

**B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2015****Fourth Semester**

Core Course—ANIMAL DIVERSITY – CHORDATA

(Common for B.Sc. Zoology Model I, Model II and  
B.Sc. Industrial Microbiology and Zoology)

[2013 Admissions]

Time : Three Hours

Maximum : 60 Marks

**Part A**

*Answer all questions.  
Each question carries 1 mark.*

1. What is a ruminant stomach ?
2. What is Coprophagy ?
3. Mention the generic name of 'bow fin'.
4. What is Paedogenesis ? Give an example.
5. What is cloaca ?
6. What is an amniotic egg ?
7. What are Meibomian glands ?
8. Distinguish between parapsida and diapsida.

(8 × 1 = 8)

**Part B**

*Answer any six questions.  
Each question carries 2 marks.  
Answer not to exceed 50 words.*

9. Write a note on *Latimeria*.
10. Distinguish between cycloid and ctenoid scale.
11. What is alternation of generation ? Explain with reference to *Doliolum*.
12. Write briefly on *Sphenodon*.
13. Comment on the salivary glands of rabbit.
14. Explain the dentition of elephant.
15. Comment on the evolutionary importance of *Archaeopteryx*.

**Turn over**

16. Mention the flying adaptation of Chiroptera.
17. Explain dendriform organs.
18. What are the peculiarities of *Amblystoma*.

(6 × 2 = 12)

### Part C

*Answer any four questions.  
Each question carries 4 marks.  
Answer not to exceed 150 words.*

19. Explain the structure of the brain of rabbit.
20. What are the salient features of the subclass Metatheria ? Write a note on the example you have studied.
21. Classify Amphibia upto orders giving salient features and one example each.
22. Explain the affinities of *Archaeopteryx*.
23. Explain spawning migration in fishes.
24. Explain fundamental chordate characters.

(4 × 4 = 16)

### Part D

*Answer any two questions.  
Each question carries 12 marks.  
Answer not to exceed 400 words.*

25. Explain the internal structure and working of the heart of rabbit.
26. Write on culture fishes of Kerala.
27. What are the flight adaptations in birds ?
28. Classify Reptilia giving salient features and one example each.

(2 × 12 = 24)