

B. Sc. DEGREE (C.B.C.S.S) EXAMINATION, APRIL 2018
(2014 Admission Supplementary)
SEMESTER II - COMPLEMENTARY COURSE (ZOOLOGY)
ZOO2ADC – ANIMAL DIVERSITY- CHORDATA
(For Family & Community Science)

Time: Three Hours

Maximum Marks: 60

PART A

I. Answer all questions. Each question carries 1 mark

1. Give the common names of 1) *Bufo* 2) *Amblystoma*
2. What is amphicoelous centrum
3. Define Acrodont dentition
4. Give the scientific name of Indian Cobra
5. Which era is called Golden age of Reptiles?
6. What is corpus callosum?
7. What is Tunic or Test?
8. Define a heterocercal tail.

(8 × 1= 8)

PART B

II. Answer any six questions. Each question carries 2marks

9. Give the Characteristic features of Ichthyophis.
10. Name the Hindlimb bones of Frog
11. Write a note on the significance of Portal systems of Frog
12. What is Synsacrum? Comment on its composition
13. Distinguish between Neurotoxic and Haemotoxic venom
14. How does Krait differ from Lycodon?
15. Mention any two unique features of Class Mammalia
16. Give four vertebrate features of Petromyzon.
17. 'Latemaria is known as a living fossil', Justify.
18. Explain neotony with an example.

(6 × 2= 12)

PART C

III. Answer any four questions. Each question carries 4 marks

19. Trace the development of Rana
20. Describe the pelvic girdle of frog
21. "Archaeopteryx is considered as a connecting link between Reptilia and Aves".
Substantiate this statement.
22. How would you differentiate poisonous snakes from Non-Poisonous snakes.
23. Enumerate the affinities of *Amphioxus*.
24. Explain Retrogressive metamorphosis with a suitable example.
25. Why are *Narcine* known as electric rays?

(4 × 4= 16)

PART D

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

26. With the help of a labeled diagram, explain the brain of frog
27. Write an essay about adaptations of Aquatic Mammals
28. Give an account about poisonous and Non Poisonous snakes.
29. What are accessory respiratory organs? Explain these with reference to fishes.

(2 ×12= 24)