(Pages : 3)

R – 3143

Reg. No. : .....

Name : .....

Second Semester B.Sc. Degree Examination, September 2023

First Degree Programme under CBCSS

Zoology

Complementary Course for Botany, Home Science and Bio–Chemistry

ZO 1231.1 : ANIMAL DIVERSITY II

(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions with two diagnostic features.

1. *Amphioxus*
2. *Echeneis*
3. *Etroplus*
4. Axolotl Larva
5. *Rhacophorus*
6. *Chelone*
7. Viper
8. Ostrich
9. Echidna
10. *Loris*

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** of the following.

11. Write Four Characters of subphylum Cephalochordata.

12. Write on retrogressive metamorphosis.

13. Write four characters of *Petromyzon*.

14. Write note on Salient features of subphylum Vertebrata.

15. Comment on the economic importance of *Scoliodon*.

16. With diagram write note on placoid scales.

17. List the features of Class Amphibia.

18. Write notes on features of *Ichthyophis*.

19. Write notes on characters of Whale.

20. Comment on features of *Chameleon*.

21. List the characters of Kiwi.

22. Comment on characters of sea snakes.

(8 × 2 = 16 Marks)

III. Answer any **six** of the following.

23. With a brief diagram explain the digestive system of *Amphioxus*.

24. Write note on characters of Mammalia.

25. Briefly describe different types of feathers of birds with suitable diagrams.

26. Write a note on snake venom and its mode of action.

27. Write on characters of Bony fishes with suitable examples.

28. List characters of four common venomous snakes.

29. Write briefly on girdles of frog.

30. Comment on adaptations of flightless birds.

31. Write briefly on salient features of Phylum Chordata.

(6 × 4 = 24 Marks)

IV. Answer any **two** of the following.

32. Write an account on classification of fishes with characters and examples.

33. Explain the aerial adaptations of birds.

34. Write an account on classification and characters of Class Reptilia with examples.

35. Discuss the features of Urochordata with reference to *Ascidia*. Add note on retrogressive metamorphosis and its significance.

(2 × 15 = 30 Marks)
