(Pages : 4) M – 2377

Reg. No. : .....

Name : .....



Second Semester B.Sc. Degree Examination, December 2021

First Degree Programme under CBCSS

Complementary Course for Botany, Home Science and Bio-Chemistry

ZO 1231.1 : ANIMAL DIVERSITY II

(2020 Admission Regular)

Time : 3 Hours Max. Marks : 80

PART – A

Answer **all** the questions with two diagnostic features (**1** mark each).

1. Calotes
2. Hippocampus
3. Tiger
4. Viper
5. Pomfret
6. Echidna;;
7. Narcine
8. Naja
9. Whale
10. Chelone.

(10 × 1 = 10 Marks)

P.T.O.

PART – B

Answer **any eight** of the following. (2 marks each)

11. Comment on temporal fossa
12. Amphioxus is a degenerate chordate, justify
13. Arboreal adaptations of Loris
14. Gizzard
15. Parental care in Ichthyophis
16. Characteristic features of Draco
17. Adaptations of Chameleon
18. Ammocoete larva
19. Different types of fins present in *Scoliodon*
20. Volant adaptations of bat
21. Ecological importances of snakes
22. Lateral line system
23. Features of axolotl larvae
24. Stomochord
25. Homocercal caudal fin
26. Synsacrum.

(8 × 2 = 16 Marks)

PART – C

Answer **any six** of the following. (**4** marks each)

27. Comment on the salient features of the super class Agnatha.

28. Elaborate the affinities of Amphioxus.

29. Explain the mode of action of snake venom.

30. What are the fundamental chordate characters?

31. What are the different types of feathers present in birds?

32. Comment on the subclasses of class Mammalia.

33. Elaborate salient features of the class Amphibia.

34. Explain the salient features of subphylum Cephalochordata.

35. Outline the classification of Super class Tetrapoda up to class.

36. Elaborate the characteristic features of Gnathostomata.

37. Write an account on teleostei fishes.

38. Comment on the general characters of class aves.

(6 × 4 = 24 Marks)

PART – D

Answer **any two** of the following. (**15** marks each)

39. Elucidate the general characters, external, features and retrogressive metamorphosis of Eurochordata.

40. With the help of suitable diagram, elucidate the identification of poisonous and non poisonous snakes of Kerala.

41. Illustrate the flight adaptations of birds.

42. Elaborate the salient features of super class Pisces, Write note on any five marine fishes.

43. Write an account on flightless birds, give examples.

44. Explain the salient features of the class reptilia, comment on any five reptiles.

(2 × 15 = 30 Marks)
