

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, May 2019

**First Degree Programme under CBCSS
Complementary Course for Botany, Home Science and
Bio-Chemistry
ZO 1231.1 – Animal Diversity II
(2015 Admission Onwards)**

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in a word or one to two sentences. Each question carries **one** mark :

1. Comment on marsupium.
2. What is synsacrum?
3. Write a short note on salient features of Tiger.
4. Write the names of two edible fresh water fishes.
5. What is ciliary mode of feeding?
6. Name an egg laying mammal.
7. Name a fish with electric organ.
8. Describe Jacobsons organ.
9. What is zygodactyly?
10. Name the larva of Anguilla.

(10 x 1 = 10 Marks)

SECTION – B

Answer **any eight** questions. Each question carries **two** marks. Answer not to exceed 120 words :

11. Comment on the identification characteristics of Python.
12. State two diagnostic characters of Cobra.
13. Define the codont dentition.
14. Differentiate carapace and plastron.
15. Mention special features of *Loris*.
16. Define homeothermy.
17. Comment on any two salient features of Mammalia.
18. Explain parental care in *Hippocampus*.
19. Describe the adaptations of *Echeneis*.
20. Differentiate neoteny and paedogenesis.
21. Why Ascidians are called 'sea squirts'?
22. Mention special adaptations of *Draco*.

SECTION – C

(8 × 2 = 16 Marks)

Answer **any six** questions. Each question carries **four** marks. Answer not to exceed 120 words :

23. Mention the peculiarities of *Rhacophorus*.
24. Elucidate the general characters of Class Pisces.

25. Write a short note on *Petromyzon*.
26. Comment on Sardine and *Scoliodon*.
27. Describe different types of venom and mode of action.
28. Describe any two flying birds.
29. Explain the general characters of Vertebrata.
30. Give a short note on different types of feathers.
31. Briefly write on migratory behaviour of *Anguilla*.

(6 × 4 = 24 Marks)

SECTION – D

Answer **any two** questions. Each question carries **fifteen** marks. Answer as long essay type :

32. Elucidate the features of Cephalochordata with reference to *Amphioxus*.
33. Write an essay on identification of poisonous and non poisonous snakes.
34. Describe retrogressive metamorphosis.
35. Explain Flight adaptations of birds.

(2 × 15 = 30 Marks)