



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

Second Semester B.Sc. Degree Examination, June 2015

First Degree Programme under CBCSS

Complementary Course: Zoology – II: (for Botany)

AUZO231.2a: Animal Diversity – II

Time: **3 Hours**

Max. Marks: **80**

SECTION – A

Answer ALL questions in one or two sentences.

1. What is the function of endostyle in *Amphioxus* ?
2. What is nuptial pad ?
3. Name the larval phase of Lampreys ?
4. What is Kolliker's pit ?
5. Name the hormone causing amphibian metamorphosis.
6. What is haemotoxin ?
7. What is nictitating membrane ?
8. Write the scientific name of Indian Krait.
9. What is preen gland ?
10. Name a limbless amphibian.

(10 x 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, each in a short paragraph not exceeding 50 words.

11. Give notes on *Loris*.
12. What is echo – location ?
13. Differentiate between tunic and mantle.
14. Comment on placoid scale.

P.T.O.

15. What is the structure of buccal funnel in *Petromyzon* ?
16. What are the features of *Enhydrina* ?
17. Write notes on the adaptations of *Chaemeleon*.
18. Mention the salient features of class Amphibia.
19. Mention the economic importance of fishes.
20. Write a note on the legs of Ostrich.
21. Give four characters of subphylum vertebrata.
22. Comment on the structure of frog heart.

(8 x 2 = 16 Marks)

SECTION – C

Answer any **SIX** questions, each in a paragraph not exceeding 120 words.

23. Mention the aquatic adaptations of whales.
24. Explain the important features of Echidna.
25. Give an account on *Macropus*.
26. Write an account on Kiwi.
27. Explain the feeding mechanism in *Amphioxus*.
28. Explain retrogressive metamorphosis with a suitable example.
29. Give an account on the adaptations of *Echeneis*.
30. With the help of a suitable diagram explain the 8th vertebra of frog.
31. What is neoteny ? Explain with a suitable example.

(6 x 4 = 24 Marks)

SECTION – D

Answer any **TWO** questions, not exceeding four pages.

32. Describe the mechanisms of respiration in frog.
33. Mention the different types of feathers in birds; add a note on its importance.
34. Mention the general characters of Class Mammalia.
35. Give an account on the identification of poisonous and non – poisonous snakes with suitable examples.

(2 x 15 = 30 Marks)

∫*∫*∫*∫*∫*∫*∫*∫*∫*∫*∫*∫*∫*