



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

Second Semester B.Sc. Degree Examination, June 2016

First Degree Programme under CBCSS

Complementary Course: Zoology – II (for Botany)

AUZO231.2a: Animal Diversity II

Time: 3 Hours

Max. Marks: 80

Instruction: Draw diagrams wherever necessary.

SECTION – A

Answer ALL questions in one or two sentences.

1. What is Iter ?
2. Give the scientific names of two poisonous snakes.
3. What is Otocyst ?
4. Name a tailed amphibian.
5. What is acetabulum ?
6. Name the classes under Tetrapoda.
7. Why are ascidia called sea squirt ?
8. What is amphicoelous vertebrae ?
9. Name the bones of pelvic girdle of frog.
10. What is Wheel organ ?

(10 × 1 = 10 Marks)

SECTION – B

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

11. Explain neoteny.
12. Give any two arboreal adaptations of chameleon.
13. Comment on Placoid scale.
14. Draw the diagram of a typical vertebra of frog.

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15. What is Endostyle ?
16. Comment on parental care exhibited by Ichthyophis.
17. What are unfinished mammals ? Give one example.
18. Comment on axolotl larva.
19. Write an account on caecilians with an example.
20. Comment on the breeding habit of Anquilla.
21. Write the special features of Ammocoetes larvae.
22. Mention the type of centrum in a typical, 8th and 9th vertebrae of frog.
23. What is echolocation ?
24. Comment on Hippocampus.
25. What is blubber ? Mention its function.

(10 × 2 = 20 Marks)

SECTION – C

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

26. Explain the salient features of flightless birds with examples.
27. Describe the types of respiration in frog.
28. Comment on the features of marsupials with an example.
29. Distinguish between snake venoms and their mode of action.
30. Give an account on any five edible fishes.
31. Briefly classify urochordates giving features of each class.
32. Comment on different types of feathers in birds with diagrams.
33. Explain the adaptations of aquatic mammals. Give examples.
34. Give an account on the affinities of Amphioxus.

(6 × 5 = 30 Marks)

SECTION – D

Answer any TWO questions, not exceeding four pages.

35. Describe the structure of frog brain with labelled diagrams.
36. With the help of diagrams explain the key for identification of poisonous and non poisonous snakes.
37. Describe the metamorphosis in ascidia and its evolutionary significance.
38. Explain the salient features of Phylum Chordate.

(2 × 10 = 20 Marks)

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