



**MAR IVANIOS COLLEGE (AUTONOMOUS)**  
**THIRUVANANTHAPURAM**

Reg. No. :.....

Name :.....

**Second Semester B.Sc. Degree Examination, June 2015**

**First Degree Programme under CBCSS**

**Foundation Course – II: (for Zoology)**

**AUZO221: Animal Diversity – II**

Time: 3 Hours

Max. Marks: 80

**SECTION – A**

*Answer ALL questions in one or two sentences.*

1. Define the term neoteny.
2. Explain the term Metamerism.
3. What is the most distinguishing characteristic of the sub – class Anapsida ?
4. Name any one of the limbless amphibians found in Kerala.
5. What is the function of petagial ribs in Draco ?
6. What is viviparity ?
7. What is pygostyle ?
8. What is the Evolutionary significance of Latimeria ?
9. What are baleen plates ?
10. Comment on the habitat of Loris.

**(10 x 1 = 10 Marks)**

**SECTION – B**

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

11. Write any four distinguishing characteristics of the class Urochordata.
12. What are the functions of buccal funnel in petromyzon ?
13. Comment on the summer adaptations of protopterus.
14. Write any four primitive features of sphenodon.

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15. Write any four symptoms of cobra venom.
16. Explain the structure of synsacrum in birds.
17. Comment on the desert adaptations of Ostrich.
18. Write four distinguishing characteristics of old world monkeys and new world monkeys.
19. What is coprophagy ? Give an example.
20. Write any four distinguishing features of the class Mammalia.
21. State any four differences between the Indian elephant and African elephant.
22. Comment on the flight adaptations of bats.

(8 x 2 = 16 Marks)

**SECTION – C**

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

23. Describe the chordate characteristics and vertebrate affinities of amphioxus.
24. Describe ammocoetes larvae of petromyzon and mention its metamorphosis.
25. Discuss the structure and function of accessory respiratory organ in fishes.
26. What are the different types of respiration in frog ?
27. Describe the salient features of the order crocodilia.
28. Write a short note on the arboreal adaptations of chameleon.
29. Discuss the general characteristics of the order Cetacea.
30. Write a short note on the distinguishing features of Kraits.
31. Explain the phenomenon of ovo – viviparity in shark.

(6 x 4 = 24 Marks)

**SECTION – D**

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

32. Write an essay on parental care in amphibians.
33. Describe the general characteristics of cephalocordata.
34. Explain the term ‘dental formula’ and describe dentition in mammals.
35. Write an essay on the flight adaptation of birds.

(2 x 15 = 30 Marks)

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