



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

Second Semester B.Sc. Degree Examination, June 2016

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. What is diastema ?
2. Name the larval form of *Petromyzon*.
3. What is pygostyle ?
4. What is blubber ? Name an animal possessing it.
5. What is living fossil ? Give an example.
6. Name the order to which *Macropus* belongs.
7. What is 'sea squirt' ? Why is it so called ?
8. Which fish is called climbing perch ?
9. Name two amphibians that show parental care.
10. What is corpus callosum ?

(10 × 1 = 10 Marks)

SECTION – B

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

11. Define neoteny. Give an example.
12. Write the distinguishing features of the order: Chiroptera.
13. Assign the animals to their respective orders.
i). *Ichthyophis* ii). *Bufo* iii). *Rana* iv). *Amblystoma*
14. What is patagium ? Name two animals possessing it.

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15. What is the zoological importance of Latimeria ?
16. Write a short note on Doliolum.
17. What is heterocercal caudal fin? Give one example.
18. How will you distinguish a male frog from a female frog by external features ?
19. Write any four features of class: Cyclostomata.
20. Comment on the ecological adaptations of Chamaeleon.
21. Write the special characters of Chelonians.
22. Prototherians are 'unfinished mammals'. Justify.
23. Comment on Echeneis.
24. What is carnassial teeth ?
25. Give the diagnostic features of mammals.

(10 × 2 = 20 Marks)

SECTION – C

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

26. Describe the characters of Archaeopteryx as a connecting link.
27. Explain retrogressive metamorphosis in Ascidia.
28. Give an account of the salient features of the order: Cetacea. Give one example.
29. Describe the salient features of Cephalochordates.
30. Give an account on Sphenodon.
31. With the help of a diagram describe the pectoral girdle of rabbit.
32. Distinguish between Palaeognathae and Neognathae.
33. Give the outline classification of Gnathostomata.
34. Give an account on the ventricles of brain of rabbit.

(6 × 5 = 30 Marks)

SECTION – D

Answer any TWO questions, not exceeding four pages.

35. Write an essay on flight adaptations of birds.
36. Describe venous system of rabbit with the help of a diagram.
37. Write an essay on accessory respiratory organs in fishes.
38. Write an essay on the poisonous snakes of South India and construct a key for identifying them.

(2 × 10 = 20 Marks)

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