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III Semester B.Sc. Degree Examination, March/April - 2022

ZOOLOGY

Chordata

(CBCS Scheme Freshers & Repeaters 2018-2019 Onwards)

Paper : III



Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

1. Draw a neat labelled diagrams wherever necessary.
2. Answers should be completely in English.

PART - A

I. Answer the following in one word or one sentence each :

(10×1=10)

1. Give an example for Urochordata.
2. Name the class to which Petromyzon belongs.
3. What is amphicoelous vertebra?
4. How many pairs of cranial nerves are present in Reptilia?
5. What are temporal fossae?
6. Name the fused caudal vertebrae in birds?
7. Which group of animals possess pneumatic bones?
8. What is diaphragm?
9. Give the dental formula of Rat.
10. Name the organism which causes fowl cholera.

PART - B

II. Answer any Five of the following :

(5×3=15)

11. Mention any three basic characters of chordata.
12. List any three differences between chondrichthyes and osteichthyes.
13. Assign the following animals to their respective orders.

a) Bufo.

b) Ambystoma.

c) Ichthyophis.

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14. Give any six general characters of the class Reptilia.
15. Mention any three Avian characters of Archaeopteryx.
16. What are Eutherian mammals? Give two examples.
17. Mention any three exotic breeds of Poultry.

PART - C

III. Answer any **Five** of the following : (5×5=25)

18. With a neat labelled diagram, explain the external structure of Herdmania.
19. Describe the structure of Ammocoete larva.
20. Explain the pelvic girdle of frog with a neat labelled diagram.
21. Describe the Diapsid skull of Reptiles with a neat labelled diagram.
22. Explain any two types of migration in birds.
23. Mention any five salient features of the class mammalia.
24. Give an account on Artificial insemination in improvement of cattle breeding.

PART - D

IV. Answer any **Two** of the following : (2×10=20)

25. Describe the externals of Amphioxus with a neat labelled diagram.
 26. Explain.
 - a) Interesting features of sphenodon.
 - b) Anatomical flight adaptations in birds.
 27. With a neat labelled diagram, describe the female urinogenital system of Rat.
 28. Explain :
 - a) Fish preservation.
 - b) Composite fish farming.
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