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Reg. No.

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III Semester B.Sc. Degree Examination, March - 2021

ZOOLOGY

Chordata

(Freshers and Repeaters) (CBCS Scheme) (2019-20 On Words)

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. In which subphylum of chordata notochord is restricted to tail region only.
2. Give an example for Agnatha.
3. Tailless amphibians belong to which order?
4. Name the reptilian skull in which temporal fossa is absent.
5. Name the extinct flying reptile.
6. Mention any one type of flight muscles.
7. In birds only right ovary is present true or false.
8. Give an example for marsupial.
9. How many cervical vertebrae are present in mammals?
10. Mention the causative organism of fowl pox disease.

**PART - B****II.** Answer any Five of the following : (5×3=15)

11. With reference to Amphioxus give the functions of:
  - a. Velum
  - b. Endostyle
  - c. Oral cirri

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11333

12. List three representatives of Dipnoi.
13. Sketch and label urostyle of frog.
14. List any three interesting features of sphenodon.
15. Enumerate any three reptilian characters of Archaeopteryx.
16. Name any three cranial nerves of rat.
17. Differentiate indigenous and exotic breeds of cattle.

#### PART - C

III. Answer any **Five** of the following :

(5×5=25)

18. Give an account of origin of amphibia.
19. Draw a neat labelled diagram of externals of Amphioxus.
20. Explain catadromous migration in fishes.
21. Distinguish ratitae from carinatae with an example for each.
22. Describe the female urinogenital system of rat with a neat labelled diagram.
23. Enumerate the general characters of class reptilia.
24. Briefly explain methods of fish preservation.

#### PART - D

IV. Answer any **Two** of the following :

(2×10=20)

25. What is retrogressive metamorphosis? Explain the same with reference to tadpole of Herdmania.
  26. a) Describe diapsid skull of reptiles.  
b) List the advantages and disadvantages of bird migration.
  27. With a neat labelled diagram describe digestive system of rat.
  28. Write notes on by-products of :
    - a. Poultry
    - b. Milk.
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