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Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2023 ADMISSIONS REGULAR

SEMESTER III - CORE COURSE ZOOLOGY

ZY3C03B23 - Animal Diversity - Chordata

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 marks

(10x1=10)

1. Define retrogressive metamorphosis.
2. Define poikilotherms.
3. Distinguish between temporal fossa and temporal arcade.
4. Define neoteny. Give one example.
5. Define 'Living Fossil'. Give an example.
6. Name two cartilage bones and two membrane bones of Frog skull.
7. Name the flight muscles of birds.
8. Explain double circulation.
9. List two unique features of primates.
10. Cite two examples for Subclass Metatheria.
11. Write two examples for Subclass Prototheria.
12. Describe Baleen plates.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain the structure of Amphioxus.
14. Write the salient features of superclass Pisces.
15. Distinguish between the renal portal system and the hepatic portal system of the frog.
16. Distinguish between anapsida and diapsida.
17. Archaeopteryx is a connecting link between reptiles and aves. Justify the statement.
18. Explain the fore limb bones of Rabbit using a labeled diagram.
19. Explain the mechanism of breathing in Rabbit.
20. Discuss the female reproductive system of Rabbit.
21. Describe the Autonomic nervous system in Rabbit.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Write an essay on Cyclostomata with reference to Petromyzon.
23. Write an essay on common poisonous & non-poisonous snakes.
24. Write down the key used for identifying poisonous & non-poisonous snakes.
25. Describe the dentition in mammals.