

21U311

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Name: .....

Reg.No: .....

**THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U ZOL3 B03 - ANIMAL DIVERSITY - CHORDATA - 1**

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Give four fundamental characteristics of chordates.
2. Write on the sexual and asexual phases of Doliolum.
3. Write any 4 features of Cyclostomata.
4. State the function of lateral line sense organs.
5. Write notes on Acipenser.
6. Distinguish between cycloid and ctenoid scale.
7. Why are frog said to be amphibious in nature?
8. Distinguish between procoelous and amphicoelous vertebra.
9. What is portal vein? Give its significance.
10. Mention the diversity of Purple frog in Western Ghats.
11. How can we differentiate poisonous and non-poisonous snakes?
12. Write notes on cloaca in Calotes.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Write a brief note on external features of Branchiostoma.
14. Give an account of afferent and efferent branchial arteries of Grey- Mullet.
15. Draw a well labelled diagram of urinogenital organs of female Grey- Mullet.
16. Describe the external characters of frog.

17. Give an account of the urinogenital system of frog.
18. Explain the salient features of order Crocodilia with examples.
19. With suitable diagram explain the structure of eye in Calotes.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. With the aid of diagrams describe retrogressive metamorphosis in Ascida.
21. Write the salient features of Reptilia and classify upto subclasses giving specific features and examples.

**(1 × 10 = 10 Marks)**

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