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B.Sc./4th Sem (H)/ZOO/23(CBCS)

2023

4th Semester Examination

ZOOLOGY (Honours)

Paper : C 8-T

(Comparative Anatomy of Vertebrates)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is ductus arteriosus?
2. Define axial and appendicular skeleton.
3. What is diastema?
4. Write the function of air sac.
5. Write the functions of Leydig cell.
6. What is gonopodium?

P.T.O.



7. Write the distribution of Abducens and vagus nerve.
8. What is neuromast cell?

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Classify receptors according to stimuli and give example of each type of receptor.
10. Write the structure of venus heart.
11. Write a short note on Jaw suspension.
12. Write a note on different integumentary glands of mammals.
13. Compare aortic arches between aves and mammals with suitable diagram.
14. Write a note on amphibian respiratory organ.

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Describe pronephros, mesonephros and metanephros with suitable example. Distinguish between horns and antlers. $6+3+1=10$
 16. Write the process of foregut fermentation. What is calamus and rachis? What is down feather? $7+3=10$
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