

**B.Sc. DEGREE EXAMINATION, APRIL 2019**  
**I Year II SEMESTER**  
**ALLIED ZOOLOGY II**

**Time : 3 Hours**

**Max.marks :60**

**Section A** ( $10 \times 1 = 10$ ) Marks

Answer any **TEN** questions

1. Systematic position of Amphioxus.
2. Wheel Organ.
3. Pigeons milk.
4. Quill feather.
5. Karyokinesis.
6. Myocardial infarction.
7. Rheumatic heart.
8. Sarcoma.
9. Evolution.
10. Darwinism.
11. Diagram of Golgi bodies.
12. Excretion.

**Section B** ( $5 \times 4 = 20$ ) Marks

Answer any **FIVE** questions

13. Explain the affinities seen in Cephalochordate.
14. Discuss parental care in frog.
15. Explain heart attack with the symptoms and treatment.
16. Describe mitochondria with diagram.
17. Write notes on phyletic speciation.
18. Describe the different stages seen in cancer with the diagram.
19. Draw and label the digestive system of shark.

**Section C** ( $3 \times 10 = 30$ ) Marks

Answer any **THREE** questions

20. Explain the external structure of Amphioxus with diagram.
21. Explain with the diagram the male urogenital system of shark.
22. Describe the structure and function of pituitary gland.
23. Write in detail the mitotic stages with diagrams.
24. Explain the factors causing speciation.

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