

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc. (PBPB) END SEMESTER EXAMINATIONS NOVEMBER - 2023

SEMESTER - II

20UPBAT2002 - Allied Zoology-II

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Explain the external structure of *Amphioxus* with diagram.
2. List out the general characteristics of mammals.
3. What are the adaptive features of Aves for arboreal mode of life?
4. Write a short note on Ischemia and myocardial infarction.
5. List out the functions of Pituitary gland.
6. Classify the types of cancer.
7. Differentiate between Allopatric and Sympatric speciation.
8. Explain Lamarckism and list out its drawbacks.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Explain the various stages in glomerular filtration with a diagram.
10. List out the stages in mitosis and explain with a diagram.
11. Evaluate the role of mutation, natural selection, genetic drift and isolation in speciation.
12. "Amphibians are well adapted to live in land and water". Justify.
13. Prochordates are the link between vertebrates and invertebrates – Defend.
