

Roll.No.

20UPBAT2002

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 2025

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. Comment on the affinities of Prochordates with vertebrates.
2. Differentiate between Poikilotherms and Homeotherms.
3. List out five characteristics of mammals.
4. Explain myocardial infarction and Rheumatic heart disease.
5. What are the functions of hormones secreted by pancreas.
6. List out the stages of cell cycle.
7. Illustrate the structure of mitochondria.
8. Explain Lamarckism with an example.

Section C

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

9. Elaborate on the structure of Amphioxus with a diagram and explain the role of wheel organ in filter feeding.
10. Evaluate the role of speciation in evolution and explain the types of speciation.
11. Elaborate on the different stages of mitosis with diagram.
12. Ascertain the characteristics of Aves that help in flight.
13. "Pituitary gland is the master gland" – Justify.
