

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 PBPBT - 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. Illustrate the structure of Amphioxus.
2. Differentiate between oviparous and viviparous animals with example.
3. Comment on the parental care in frog.
4. List the functions of hormones secreted by adrenal gland.
5. Explain the structure of nucleus with a diagram.
6. List out the types of cancer.
7. Differentiate between Allopatric and Sympatric speciation.
8. Explain Darwin's theory of natural selection.

Section C

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

9. Explain the stages of mitosis with diagrams.
10. Evaluate the characteristics of amphibians which facilitate them to live in aquatic and terrestrial environments.
11. Elaborate on glomerular filtration with diagram.
12. "Prochordates are the link between vertebrates and invertebrates" – Justify.
13. Appraise the factors responsible for speciation.
