

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 APRIL - 2024

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 features of Amphioxus with diagram.
2. List out the adaptive features of Pisces.
3. Comment on the parental care of frog.
4. Explain the structure of nucleus with a diagram.
5. Write short notes on glomerular filtration.
6. List out the stages in cell cycle.
7. Differentiate between the functions of male and female sex hormones.
8. Darwin defined evolution as "descent with modification" – Justify.

### **Section C**

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

9. Summarise the stages in the progression of cancer.
10. List out the general characteristics of mammals and their adaptive features.
11. "Pituitary gland is known as the master gland" – Defend.
12. Evaluate the role of different types of speciation in evolution.
13. "Prochordates are the link between invertebrates and vertebrates" – Justify.

\*\*\*\*\*