

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 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. Identify the link between invertebrates and vertebrates.
2. Explain the general characteristic features of class Amphibia.
3. Prepare a various stages of cell cycle.
4. Describe the stages in glomerular filtration process in human.
5. Explain the theory of natural selection.
6. Classify the various stages of mitosis.
7. Explain the feedback mechanism of hormonal action.
8. Determine the factors responsible for speciation.

Section C

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

9. Describe the external structure of Amphioxus.
10. Apply the concept of parental care in frog by giving examples.
11. "Adrenal gland is an emergency gland" – Justify the statement.
12. Prepare a chart highlighting the effects, causes and diagnosis of cancer.
13. Criticize on the theory of inheritance of acquired characters
