

Roll.No.

25UPBGT1001

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 - I

25UPBGT1001 - Allied Zoology-I

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. What are trichocysts and Cytophage ?
2. Explain the mouth parts of a cockroach.
3. Classify the different types of chromosomes based on centromere position.
4. Relate the characteristic features of chordate to embryogenesis.
5. Infer the influence of temperature on organisms.
6. Differentiate between binary fission and conjugation.
7. Illustrate the Watson Crick model of DNA.
8. Ascertain the causes and control of water pollution.

Section C

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

9. Illustrate and explain the life cycle of *Plasmodium*.
10. Enumerate the characteristic features of Arthropoda.
11. Justify the dihybrid ratio with an example.
12. Distinguish between the morula and gastrula stage.
13. Assess the effects of air pollution on mankind.
