

Roll.No.

20UPBAT1001

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 - I

**20UPBAT1001- Allied Zoology - I**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

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

1. Explain the structure of Paramecium with a diagram.
2. List out the types of chromosomes.
3. Comment on polymorphism in Phylum Coelenterata.
4. Illustrate and explain the structure of DNA.
5. Explain fertilization in Amphioxus.
6. List out the characteristics of Phylum Arthropoda.
7. Analyse the impact of light on organisms.
8. Comment on causes of water pollution.

### **Section C**

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

9. Elaborate on the life history of Plasmodium.
10. Compare the mouth parts of Mosquito and Housefly with diagrams.
11. Deduce the dihybrid ratio using Mendelian experiment.
12. Explain cleavage and gastrulation in Amphioxus.
13. Summarize the causes, control measures and effect of air pollution.

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