

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 - 2023

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. Classify phylum Porifera and give examples.
3. List out the general characters of phylum Arthropoda.
4. Differentiate between DNA and RNA.
5. Explain sex linked inheritance with an example.
6. Explain cleavage in *Amphioxus* with diagram.
7. List out the causes of water pollution.
8. Discuss the effect of light on organisms

Section C

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

9. Describe phylum Coelenterata and its polymorphism.
10. Compare the mouth parts of cockroach and mosquito with diagrams.
11. Derive the dihybrid ratio using Mendel's experiment.
12. Give a detailed account on gastrulation in *Amphioxus*.
13. "Urbanization leads to increase in air pollution" - Justify and list out the control measures.
