

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-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 paramaecium with a diagram.
2. List the characteristics of Platyhelminthes.
3. Relate the use of water vascular system of Echinoderms in locomotion and feeding.
4. Explain the causes and effects of water pollution.
5. Explain sex linked inheritance with an example.
6. Differentiate between DNA and RNA.
7. List the patterns of cleavage based on symmetry.
8. Growth, reproduction and migration of animals are affected by light. Justify.

### Section C

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

9. Explain the life cycle of plasmodium.
10. Relate the mouth parts of mosquito and cockroach with their mode of feeding.
11. State law of independent assortment and interpret with an example on dihybrid cross.
12. Describe gastrulation in Amphioxus with diagram.
13. Evaluate the role of industries in air pollution and explain the effects and control measures.

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