

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. END SEMESTER EXAMINATIONS NOVEMBER-2022

SEMESTER - I

**20UPBAT1001 - Allied Zoology-I**

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

### Section A

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

1. Draw a labelled diagram of *Taenia solium* and name four adaptive features of the parasite.
2. List out the characteristics of *Echinodermata*.
3. Explain polymorphism in coelenterates with an example.
4. Analyse the influence of temperature on organisms.
5. List out the causes and effects of air pollution.
6. Classify the types of chromosomes.
7. Describe the process of gastrulation.
8. Explain any two inborn errors of metabolism and explain them.

### Section B

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

9. Explain the life cycle of Plasmodium with diagrams.
10. Write a comparative account on the mouth parts of cockroach and mosquito.
11. Explain Mendel's dihybrid cross and infer the results.
12. Elaborate on the types of morphogenetic movements with diagram.
13. Discuss the causes and control measures of water pollution.

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