

**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 EXAMINATION APRIL/NOV - 2021

SEMESTER - I

20UPBAT1001 - Allied Zoology - I

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Describe the reproduction in *Obelia*.
2. Enumerate the parasitic adaptations of *Taenia solium*.
3. List down the general characters of phylum Arthropoda.
4. What are the adaptive features of leech
5. Explain cleavage and blastulation in *Amphioxus*.
6. Describe the structure of DNA with a diagram.
7. Explain sex linked inheritance with an example.
8. Write a short note on acid rain.

Section C

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

9. Describe the life cycle of *Plasmodium* in mosquito with diagram.
10. Write a detailed account on albinism and phenylketonuria.
11. Explain the water vascular system in sea star.
12. Illustrate gastrulation in *Amphioxus*.
13. Discuss the causes, effects and control measures of water pollution.