

**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**

**08UPBAT1AZ1 & UPB/AT/1AZ1 - Allied Zoology-I**

<b>Total Duration : 3 Hrs</b>	<b>Total Marks : 75</b>
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Explain the process of conjugation in *Paramecium*.
2. Describe the abdominal appendages of prawn.
3. List down the general characteristics of phylum Annelida.
4. Explain the structure of medusa of *Obelia*.
5. Describe the external morphology of sea star.
6. Write the differences between DNA and RNA.
7. State Mendel's law of dominance and explain it with an example.
8. Explain the causes and effects of eutrophication.

Section C

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

9. Describe the life history of *Taenia solium* with a diagram.
10. Explain the causes, effects and control measures of air pollution.
11. Draw and explain the mouth parts of cockroach.
12. Illustrate gastrulation in *Amphioxus*.
13. Explain the role of mutation in inborn errors of metabolism with any two examples.