

**FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**  
**(Regular/Improvement/Supplementary)**

**ZOOLOGY: COMPLEMENTARY COURSE FOR BOTANY**

**GZOL1C01T: ANIMAL DIVERSITY AND WILDLIFE CONSERVATION**

**Time: 2 Hours**

**Maximum Marks: 60**

**SECTION A: Answer the following questions. Each carries 2 marks.**

**(Ceiling 20 Marks)**

1. What is diplontic life cycle?
2. Describe the structure of *Vorticella*.
3. What is a spongocoel?
4. Briefly explain the Euplectella as a Hyalospongian.
5. Detail out the structure of a hydranth.
6. Comment on the excretory organs of phylum Annelida.
7. Explain the structure of a pleopod in *Penaeus*.
8. Write a note on the reproduction in *Petromyzon*.
9. What is meant by coprophagy?
10. Mention the arboreal adaptations of *Chameleon*.
11. Explain community diversity.
12. Comment on WWF.

**SECTION B: Answer the following questions. Each carries 5 marks.**

**(Ceiling 30 Marks)**

13. Describe the peculiar features of *Leucosolenia*.
14. Explain the morphology and peculiar features of *Peripatus*. Comment on its status as a connecting link.
15. Describe the salient features of Sub phylum Cephalochordata. Give an example.
16. Explain the respiratory system of *Oryctolagus cuniculus*.
17. Write notes on three poisonous snakes.
18. What are the causes of species extinction?
19. Discuss the in situ conservation of wildlife.

**SECTION C: Answer any 1 question. Each carries 10 marks.**

20. With the help of a neat and labeled diagram, explain the cephalic and thoracic appendages of Prawn.
21. Enlist the salient features of Phylum Chordata and outline its classification up to classes with examples.

**(1 x 10 = 10 Marks)**