D1BZL2302 **Reg.No.....**

Name: .....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(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 *two* marks.

(Ceiling 20 Marks)

1. Mention the salient features of Phylum *Rhizopoda*.
2. What are Choanocytes?
3. What is Tunicin?
4. What are the peculiarities of *Hippocampus*?
5. Comment on *Sacculina.*
6. Write a brief note on *Noctiluca.*
7. Highlight the concept of sustainable development.
8. Write short notes on WWF.
9. Discuss the sexual dimorphism in *Schistosoma.*
10. What is sea cucumber?
11. Citing one example each, distinguish between hemotoxic and neurotoxic venom.
12. Distinguish between polyp and medusa.

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

(Ceiling 30 Marks)

13. Discuss the salient features of phylum coelenterata.
14. Describe *insitu* and *exsitu* conservation strategies with examples.
15. What are the arboreal adaptations of *Chamaeleon*?
16. Describe the cephalic appendages of *Penaeus.*
17. Explain the dentition in *Oryctolagus.*
18. What are the salient features of *Agnatha*? Briefly comment on an example.
19. Explain the threats to biodiversity.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. With a neat labelled diagram describe the structure of the heart of *Oryctolagus.* Add a short note on double circulation.
21. With a labelled diagram explain the nervous system of *Penaeus.*

(1 x 10 = 10 Marks)