

Reg. No .....

Name .....

**B Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**  
**SEMESTER 1 : ZOOLOGY**  
**COURSE : 19U1CRZOO1 : ANIMAL DIVERSITY NON-CHORDATA - 1**  
*(For Regular - 2019 Admission)*

Time : Three Hours

Max. Marks: 60

**Section A****Answer any 8 (1 marks each)**

1. The branch of zoology that studies fishes
2. Name the fluid filled perivisceral cavity lined by epithelial cells.
3. Depicting the evolutionary relationships of animals is known as .....
4. The field of biology that studies the classification of organisms
5. Give the most defining character of Microsporidia
6. Name the authority of the name 'Protista'.
7. Any two control measures for Malaria
8. Give the word meanings of Parazoa and Eumetazoa?

(1 x 8 = 8)

**Section B****Answer any 6 (2 marks each)**

9. How experiments are important in science
10. Comment on the condition of Asymmetry.
11. Define Taxonomy.
12. Differentiate between taxonomy and systematics.
13. What is plasmotomy?
14. Write a short note on ciliate protozoan
15. Comment on zooxanthellae
16. Comment on *Pleurobrachia*

(2 x 6 = 12)

**Section C****Answer any 4 (4 marks each)**

17. Describe different types of fluid filled perivisceral cavity found in animals, based on which animals are classified.
18. Discourse on modern trends in taxonomy
19. Discuss the features of Five Kingdom Classification
20. Write an essay on flagellate parasites
21. Describe the life cycle of *plasmodium* in intermediate host
22. Enumerate the type of canal system in Demospongiae mentioning its physiological importance

(4 x 4 = 16)

**Section D****Answer any 2 (12 marks each)**

23. Describe features of each kingdom as recognized in the five kingdom classification.
24. Write an essay on the reproduction in Paramecium. Use neat illustrations
25. Discuss the classification of protozoans infectious to human beings?
26. Elucidate the mechanism of water transport system in sponges

(12 x 2 = 24)