

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2017**SEMESTER –1: ZOOLOGY (CORE COURSE)****COURSE: 15U1CRZOO1: ANIMAL DIVERSITY – NON CHORDATA 1**

(Common for Regular 2017 admission and Supplementary/Improvement 2016 & 2015 admission)

Time: Three Hours

Max. Marks: 60

Instructions:

1. Time allotted for the examination is 3 hrs.
2. Answer **all** questions in Part A. answer **any 6** questions from Part B, **any 4** from Part C and **any 2** from Part D.

PART A

Define / explain the following

1. Sun animalcule
2. Acoelomata
3. ICZN
4. Pellicle
5. Glass sponge
6. Choanocytes
7. Sea gooseberry
8. Portuguese man of war

(1 x 8 = 8)

PART B

Define / explain the following

9. Describe Conjugation.
10. Binomial nomenclature
11. Nematocysts
12. Barrier reef
13. Metagenesis
14. Regeneration
15. Types of symmetry
16. Hermaphrodite

(2 x 6 = 12)

PART C

17. Write notes on the principles of nomenclature
18. Describe the process of Cyclosis in *Paramecium*
19. Differentiate between Protostomia and Deuterostomia
20. Describe the types of canal system in sponges

21. Describe the different patterns of polymorphism exhibited in Coelenterates
22. What are the different types of coral reefs? Explain (4 x 4 = 16)

PART D

23. Explain the different types of reproduction in *Paramecium*.
24. Discuss the types of reproduction in Sponges
25. Describe the life cycle of *Plasmodium vivax*.
26. Discuss the natural factors causing damage to corals. What are the conservative measures to protect them? (12 x 2 = 24)
