

Reg. No.....

Name.....

**B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2017****SEMESTER –1: ZOOLOGY (COMPLEMENTARY COURSE FOR BOTANY)****COURSE: 15U1CPZOO1: ANIMAL DIVERSITY – NON CHORDATA 1***(Common for Regular 2017 admission and Supplementary/Improvement 2016 & 2015 admission)*

Time: Three Hours

Max. Marks: 60

**Instructions:** 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**

1. Name two holophytic Protists.
2. Name two mandibulate Arthropods.
3. Give the Scientific name of the "White Prawn".
4. Who is known as the 'Portuguese Man of War'?
5. Name two disease causing Nematodes.
6. Name two pests of Paddy.
7. Name two parasitic Platyhelminthes.
8. Name the causative organism of African Sleeping Sickness. (1 x 8 = 8)

**PART B**

9. Describe the commensalism of Adamsia
10. Write the names of cephalic appendages of *Penaeus*.
11. Write down the salient features of class Hydrozoa.
12. Describe the salient features of Molluscs with examples
13. Explain Polymorphism with an example?
14. Why *Limulus* is called a living Fossil.
15. Explain the sexual dimorphism in prawns.
16. Mention the characters of Hemichordates. (2 x 6 = 12)

**PART C**

17. Describe the five kingdom classification.
18. Elucidate the salient features of Phylum Arthropoda.
19. Explain holozoic nutrition with reference to any Protists.
20. Write a brief account on salient features of Trychoplax.
21. Describe the mode of respiration in prawns.
22. What are Corals? Why should it be conserved? (4 x 4 =16)

**PART D**

23. Give a detailed account of Parasitic Protozoans.
24. What are the common pests of Coconut and mention its control measures.
25. Describe the parasitic nematodes, their adaptations and control measures.
26. Describe the digestive system of *Penaeus* with the help of a neat labeled diagram. (12 x 2 = 24)