

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER/NOVEMBER 2018**SEMESTER –1: ZOOLOGY (COMPLEMENTARY COURSE FOR BOTANY)****COURSE: 15U1CPZOO1: ANIMAL DIVERSITY – NON CHORDATA 1**

(Common for Regular 2018 admission and improvement 2017/ supplementary 2017/2016/2015 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. What is Acorn worm?
2. How is algal bloom caused?
3. Mention the functions of pseudopodia?
4. Name two economically important Protists.
5. Name two edible Arthropods.
6. Name the three morphological regions of the body of an Arachnid.
7. Name two sponges.
8. Name two disease causing worms. (1 x 8 = 8)

PART B

9. What are acoelomate animals? Give example.
10. What is bilateral symmetry? Give example.
11. Write notes on economic importance of Phylum Mollusca.
12. What is the significance of contractile vacuoles.
13. What is gastric mill?
14. What are flame cells? Explain their function.
15. What is scaphognathite? What is its function?
16. Write notes on Cephalopods. (2 x 6 = 12)

PART C

17. Enumerate the salient features of Phylum Ciliophora.
18. Explain with functions of canal system in Poriferans
19. Explain the circulatory system and its course in prawn with a diagram.
20. Give an account of stored grain pests.
21. Enumerate the salient features of Phylum Echinodermata
22. Explain the excretory system in prawn with a neat and labelled diagram. (4 x 4 = 16)

PART D

23. Explain the morphology of prawn with a neat and labelled diagram.
24. Give an account of pests of paddy with control measures.
25. Give an account of pathogenic protozoa with a note on control measures.
26. What are the general features of the Kingdom Protista? List the phyla with their prominent features in this kingdom. (12 x 2 = 24)