

B. Sc DEGREE END SEMESTER EXAMINATION - OCT. 2020 : FEBRUARY 2021**SEMESTER 1 : COMPLEMENTARY ZOOLOGY FOR B Sc BOTANY****COURSE : 19U1CPZOO1 : ANIMAL DIVERSITY – NON CHORDATA***(For Regular - 2020 & Improvement / Supplementary 2019 Admission)*

Time : Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. Comment on shizocoelus phyla.
2. What are bristle worms ?
3. Mention any two Annelidan affinities of Peripatus .
4. What is scaphognathite ?
5. What is malacology?
6. Name 2 larval forms of Asteridia.
7. What are paramylum bodies?
8. What are choanocytes?

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. What is metamorphosis ? Give an example.
10. Explain structure of circulatory system in prawn.
11. Describe neomenia.
12. What are madreporite?
13. Write salient features of hemichordata.
14. Describe any four salient features of Ciliophora.
15. Why is Noctiluca known as sea sparkle.
16. Write notes on liver fluke.

(2 x 6 = 12)**PART C****Answer any 4 (4 marks each)**

17. What is symmetry? Explain different types of symmetry found in animals.
18. Write salient features of polychaeta and Oligochaeta
19. Explain morphological features of Penaeus.
20. Describe Scaphopoda and Cephalopoda
21. Describe Ophiothrix and sea cucumbers.
22. Write the morphology of Aurelia with diagram.

(4 x 4 = 16)**PART D****Answer any 2 (12 marks each)**

23. Give an account on larval stages of prawns.
24. Give an outline classification of Mollusca and write its salient features
25. Give an account on salient features of echinodermata. Classify echinodermata upto class giving suitable examples.
26. Elaborate three phases in the life cycle of Plasmodium.

(12 x 2 = 24)