

B. Sc. DEGREE END SEMESTER EXAMINATION - JULY 2021**SEMESTER 2 : ZOOLOGY****COURSE : 19U2CRZOO02 : ANIMAL DIVERSITY NON - CHORDATA II***(For Regular - 2020 Admission & Improvement / Supplementary 2019 Admissions)*

Time : Three Hours

Max. Marks: 60

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

1. What is strobila ?
2. Name the scientific & common name of a soil transmitted trematode
3. Specify the role of setae in *Pheretima*
4. Give the term which describes the development of an animal through larval stages to adult.
5. Give the scientific name of a cave velvet worm.
6. Give the scientific name of pearl oyster
7. What is known as sieve plate?
8. Which phylum is sometimes called stomochordata? Why?

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

9. Identify the sensory organs in thread worms
10. Explain turtle leeches
11. What is known as parthenogenesis?
12. What is known as moulting?
13. Reflect on the significance of mantle cavity in molluscs
14. Reflect the working of respiratory trees
15. What is the peculiarity of the development of Hemichordates?

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

16. Point out the salient features of group trematodes. Write on any two parasites on the group
17. What is body segmentation ? How it is significant in *Pheretima posthuma* ?
18. List out different vector arthropods and give the names of diseases and their preventive measures.
19. Describe the salient features of Phylum Mollusca. Give a scheme of classification up to classes
20. Elaborate the following using diagrams
a) Pedicelaria b) Aristotle's Lantern c) Respiratory trees

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

21. Present the Nervous system and it's working in *Pheretima posthuma*. Add note on regeneration capacity in the species
22. Describe the salient features and classification of Phylum Arthropoda.
23. Elucidate the basic morphology and mechanism of water vascular system in echinoderms. Add notes on the system in sea lilies

(12 x 2 = 24)