

22U208

(Pages: 2)

Name: .....

Reg.No: .....

**SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U ZOL2 B02 - ANIMAL DIVERSITY - NON CHORDATA - II**

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Explain the mechanism of respiration in Nereis.
2. What is meant by living fossil? Give an example.
3. Sketch and label second maxilla and second maxilliped of Prawn.
4. What is parasitic castration?
5. Differentiate between chilopoda and diplopoda
6. Write a note on the peculiarities of Troides minos.
7. Enlist any four diagnostic features of Phylum Mollusca.
8. What are the benthic adaptations of class Pelecypoda?
9. Comment on the adaptive features of Sepia.
10. What is pedicellaria?
11. Describe the affinities of Balanoglossus.
12. Comment on the features of Bugula.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Enlist six diagnostic features of phylum Annelida.
14. Comment on the morphology of Arenicola.
15. Describe the structure and functions of antennary glands in Prawn.
16. Explain the salient features of class Merostomata with a suitable example.
17. Explain the mechanism of branchial and pulmonary respiration in Pila.

18. Describe the morphological characters of Chiton.
19. What are the characteristic features of Class Crinoidea.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. Elaborate the salient features of Phylum Arthropoda. Classify up to classes giving examples.
21. Write notes on any five of the following : A. Dentalium B. Lepisma C. Bugula D. Sepia  
E. Balanoglossus F. Megascolex

**(1 × 10 = 10 Marks)**

\*\*\*\*\*