

B.Sc. 1st Semester Sessional Examination-2023

Sub: Zoology (Major/Minor)

Paper: Diversity of Non-Chordates

Paper Code: ZOO-1011

Full Marks: 20

Time: 1 Hr

The figures in the margin indicate full marks for the questions

1. Answer the following questions (**Any five**): 1×5=5
- a. Write the scientific name of 'Indian Cattle Leech'.
 - b. is known as bath sponge. (**Fill in the blank**)
 - c. Liver flukes belongs to which class?
 - d. Define coelom.
 - e. Typhlosole region present in the intestine of..... (**Fill in the blank**)
 - f. Echinodermates are exclusively marine forms. (**True/False**)
2. Match the following column I with column II: 1×5=5
- | Column I | Column II |
|------------------------|--------------------------|
| a. <i>Cliona</i> | a. Horse Sponge |
| b. <i>Hippospongia</i> | b. Boring Sponge |
| c. <i>Hyalonema</i> | c. Brittle Star |
| d. <i>Halichondria</i> | d. Glassrope sponge |
| e. Ophiuroidea | e. Crumb-of-bread sponge |
3. Answer **any one** of the following questions: 1×10=10
- a. What is canal system in porifera? Describe the types of canal system with suitable diagram. 2+8=10
 - b. Define segmentation. Classify the Phylum Annelida with two distinguishing characteristics and examples. 2+8=10
 - c. Write about the Water Vascular System in Echinodermata with diagram. 8+2=10
