



‘समानो मन्त्रः समितिः समानी’

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 1st Semester Examination, 2022

CC1-ZOOLOGY

NON-CHORDATES

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer any **five** questions from the following: 1×5 = 5
 - (a) What is the infective stage of *Plasmodium vivax*?
 - (b) What is the function of the choanocyte?
 - (c) What is atoll reef?
 - (d) What is the larval stage of *Wuchereria bancrofti*?
 - (e) What do you mean by beta taxonomy?
 - (f) Write the name and function of the balancing organ of Ctenophora.
 - (g) What do you mean by intermediate host?
 - (h) Give one example of ‘Homonymy’.

2. Answer any **three** questions from the following: 5×3 = 15
 - (a) Write a short note on the locomotion of *Euglena* sp.
 - (b) Discuss in brief the Syconoid type of canal system of phylum Porifera.
 - (c) Mention the general characters of phylum Platyhelminthes.
 - (d) Distinguish between Cestode and Nematode with examples. Write a note on scolex of *Taenia solium*. 2+3
 - (e) Write a note on metagenesis in *Obelia*.

3. Answer any **two** questions from the following: 10×2 = 20
 - (a) Describe the life cycle of *Fasciola* with suitable diagrams. Write down the characteristics of metacercaria larva. 7+3
 - (b) Write down the principles of Zoological nomenclature. Comment on the ‘Law of Priority’. Write a short note on systematics. 5+2+3
 - (c) Mention the general characteristics of phylum Cnidaria. Classify the phylum up to the class level with characters and examples. 4+6
 - (d) Describe the process of conjugation in *Paramoecium* with suitable diagram.

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