



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 1st Semester Examination, 2021

CC1-ZOOLOGY

NON-CHORDATES I

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) Define metagenesis.
 - (b) What is meant by biradial symmetry?
 - (c) Define alpha taxonomy.
 - (d) What is lobopodia?
 - (e) What is meant by pseudocoelom?
 - (f) What is homonymy?
 - (g) What is Ookinete?
 - (h) What is flame cell?

2. Answer any **three** questions from the following: 5×3 = 15
 - (a) Write down the principles of Zoological Nomenclature.
 - (b) Write a short note on the balancing organ of Ctenophora.
 - (c) Write a short note on pathogenecity of *Taenia* sp.
 - (d) Write a short note on ciliary mode of locomotion in *Paramoecium* sp.
 - (e) Mention the general characters of phylum Ctenophora.

3. Answer any **two** questions from the following: 10×2 = 20
 - (a) Describe with diagram the life cycle and mode of transmission of *Wuchereria bancrofti*. 6+4
 - (b) Name the organism which causes malaria. Diagrammatically describe its life cycle. During which stage is the signet ring formed? Mention two identifying characteristics of 'signet ring'. 1+6+1+2
 - (c) How are coral reefs formed? Distinguish fringing reef and barrier reef. What is coral bleaching? Write down the measures to protect coral reefs. 3+3+1+3
 - (d) Classify Phylum Porifera upto class with suitable examples. Write in brief about the different types of spicules in sponges. 5+5

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