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NA—55—2023

FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

ZOOLOGY

Paper-I

(Biodiversity of Invertebrates)

(Wednesday, 13-12-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (1) Attempt *all* questions.

(2) Illustrate your answers with suitable labelled diagrams wherever necessary.

1. Describe the structure, life-cycle, pathogenicity and control of *Ascaris lumbriciodes*. 15

Or

(a) Describe the life-cycle of *Plasmodium vivax* in man. 8

(b) Describe the Canal system in Sycon. 7

2. Give an account of metamorphosis in Insects. 15

Or

(a) Give an account of the general characters and affinities of Hemichordata. 8

(b) Give an account of the external morphology of Star Fish. 7

P.T.O.

WT

(2)

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3. Write short notes on any *two* of the following :

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- (a) Ciliary locomotion in Protozoa
- (b) *Taenia solium*
- (c) Economic importance of insects
- (d) General characters of Mollusca.

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