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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.

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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.