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**NA—65—2023**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2023**

**(CBCS/New Pattern)**

**ZOOLOGY**

**Paper—XIII-B**

**(Applied Zoology)**

**(Applied Parasitology—I (Parasitic Protoza and Platyhelminthes))**

**(Thursday, 14-12-2023)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions.*

*(ii) Draw the diagrams, wherever necessary.*

1. Describe the morphology, life-cycle and pathogenicity of *Entamoeba histolytica*. 15

*Or*

(a) Explain the life-cycle of *Trypanosoma gambiense*. 8

(b) Describe the morphology and treatment of *Sarcocystis cruzi*. 7

2. Explain the morphology, life-cycle and pathogenicity of *Schistosoma haematobium*. 15

*Or*

(a) Describe the morphology and treatment of *Echinococcus granulosus*. 8

(b) Illustrate physiological parasitic adaptations in cestodes. 7

P.T.O.

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3. Attempt any *two* out of the four :

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- (a) Types of Host
- (b) Morphology of *Plasmodium vivax*.
- (c) Radia Larva
- (d) Cysticercus Larva.

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