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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.

WT

(2)

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3. Attempt any *two* out of the four : 10

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

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