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**VA—65—2024**

**FACULTY OF SCIENCE & TECHNOLOGY**

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

**NOVEMBER/DECEMBER, 2024**

**(New/CBCS Pattern)**

**ZOOLOGY**

**Paper-XIII**

**(Applied Zoology-B)**

**[Applied Parasitology-I (Parasitic Protozoa and Platyhelminthes)]**

**(Wednesday, 11-12-2024)**

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

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (1) Attempt all questions.*

*(2) Draw the diagrams wherever necessary.*

1. Describe the morphology, life-cycle and pathogenicity of *Giardia intestinalis*. 15

*Or*

(a) Explain the morphology and pathogenicity of *sarcocystic cruzi*. 8

(b) Describe the life-cycle of *Trypanosoma gambiense*. 7

2. Give an account of the morphology, life-cycle and pathogenicity of *Gastrodiscoides hominis*. 15

*Or*

(a) Describe the larval forms in cestodes. 8

(b) Give an account of morphological parasitic adaptations in cestodes. 7

P.T.O.

3. Attempt any *two* of the following :

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- (a) Host Specificity
- (b) Pathogenicity of *Plasmodium vivax*.
- (c) Cercaria larva
- (d) Morphology of *Taenia saginata*.