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**X—49—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**OCTOBER/NOVEMBER, 2019**

**(CBCS Pattern)**

**ZOOLOGY**

**Paper XIII**

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

**(Tuesday, 3-12-2019)**

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

**Time—2 Hours**

**Maximum Marks—40**

**N.B. :— (i) Attempt all questions.**

**(ii) Illustrate your answers with suitable labelled diagrams, wherever necessary.**

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

*Or*

(a) Explain morphology and pathogenicity of trypanosoma gambiense.8

(b) Write sexual life-cycle of *Plasmodium vivax* in mosquito. 7

2. Give an account of the morphology lifecycle, pathogenicity and treatment of *schistosoma haematobium*. 15

*Or*

(a) Explain the life-cycle and pathogenicity of *Echinococcus granulosus*. 8

(b) Illustrate morphological parasitic adaptations in cestodes. 7

3. Attempt any two of the four : 10

(a) Host and Vector

(b) Morphology of *sarcocystis cruzi*

(c) Paragonimiasis

(d) Morphology of *Tania Saginata*.

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