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**SB—110—2022**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**JUNE/JULY, 2022**

**(CBCS/Old Pattern)**

**ZOOLOGY**

**Paper XIII (C)**

**Applied Zoology**

**[Applied Parasitology—I]**

**(Friday, 17-6-2022)**

**Time : 10.00 a.m. to 12.30 p.m.**

*Time—2½ Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

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

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

*Or*

(a) Explain morphology and life cycle of *Sarcocystis cruzi*. 8

(b) Write Trophozoite stage of *Plasmodium Vivax* and add a note on its pathogenicity. 7

2. Give an account of the morphology, life cycle and pathogenicity of *Taenia solium*. 15

*Or*

(a) Illustrate larval forms in Trematodes. 8

(b) Explain morphology and pathogenicity of *Gastrodiscoides hominis*. 7

P.T.O.

3. Attempt any *two* of the following :

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- (a) Host and parasite
- (b) African sleeping sickness
- (c) Parasitic adaptations in Trematodes
- (d) Hydatid cyst.