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W—119—2018

FACULTY OF SCIENCE AND TECHNOLOGY

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

OCTOBER/NOVEMBER, 2018

(CBCS Pattern)

ZOOLOGY

Paper XIII (B) (DSEZ—I)

(Applied Parasitology—I)

(Parasitic Protozoa and Platyhelminthes)

(Wednesday, 24-10-2018)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) All questions carry equal marks.

(iii) Illustrate your answers with suitable labelled diagrams wherever necessary.

1. Attempt any four of the following : 8

(a) Parasitism

(b) African sleeping sickness

(c) Laurer's canal

(d) Cysticercus bovis

(e) Ectoparasite

(f) Miracidium larva

2. Attempt any two of the following : 8

(a) Morphology of *Entamoeba histolytica*

(b) Life cycle of *Balantidium coli*

(c) Morphology of *Trypanosoma gambiense*

3. Attempt any one of the following : 8

(a) Describe the life cycle of *Plasmodium vivax* in man.

(b) Explain the morphology, pathogenicity, prophylaxis and treatment of *Trichomonas vaginalis*.

P.T.O.

- 4. Attempt any *two* of the following : 8
 - (a) List cycle of *Taenia solium*
 - (b) Structure of *Gastrodiscoides hominis*
 - (c) Life cycle of *Paragonimus westermani*

- 5. Attempt any *one* of the following : 8
 - (a) Describe the morphology, pathogenicity and treatment of *Schistosoma haematobium*.
 - (b) Explain the life cycle, pathogenicity and treatment of *Echinococcus granulosus*.