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W—123—2018

FACULTY OF SCIENCE

B.Sc. (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2018

(CGPA Pattern)

ZOOLOGY

Paper XIII

[Applied Parasitology (Parasitic Protozoa and Platyhelminthes—I)]

(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) Draw well-labelled diagrams wherever necessary.

1. Write notes on any *four* of the following : 8
 - (a) Biological vector
 - (b) Intermediate host
 - (c) Mehlis gland
 - (d) Miracidium larva
 - (e) Reservoir
 - (f) Laurer's canal
2. Write notes on any *two* of the following : 8
 - (a) General organization of parasitic protozoa
 - (b) Pathogenicity and control measures of *Trypanosoma gambiense*
 - (c) Life cycle of *Giardia intestinalis*
 - (d) Structure of *Trichomonas vaginalis*
3. Write notes on any *two* of the following : 8
 - (a) Life cycle of *Balantidium coli*
 - (b) Structure of *Entamoeba histolytica*
 - (c) Life cycle *sarcocystis cruzi*
 - (d) Pathogenicity and control measures of *Eiweria tenella*

P.T.O.

4. Write notes on any *two* of the following :

8

- (a) General organization of cestodes
- (b) Structure of *Taenia saginata*
- (c) Life cycle of *Echinococcus granulosus*
- (d) Reproductive organs of Trematodes

5. Write long answer of any *one* of the following :

8

- (a) Describe the structure, life cycle, control measures of *Schistosoma haematobium*.
- (b) Give an account of parasitic adaptations with special reference to Trematodes.