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V—106—2017

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2017

ZOOLOGY

Paper XIII (B)

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

(Friday, 17-11-2017)

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 diagram wherever necessary.

1. Write notes on any *four* of the following : 8

- (a) Vector
- (b) Obligate parasite
- (c) Intermediate host
- (d) Mehl's gland
- (e) Host specificity
- (f) Cysticercus.

2. Write notes on any *two* of the following : 8

- (a) Morphology of *Trypanosoma gambiense*
- (b) Life cycle and pathogenicity of *Giardia intestinalis*
- (c) General organization of parasitic protozoa
- (d) Morphology of *Trichomonas vaginalis*.

3. Write notes on any *two* of the following : 8

- (a) Morphology of *Balantidium coli*
- (b) Life cycle of *Entamoeba histolytica*

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- (c) Morphology of *Eimeria tenella*
- (d) Life cycle of *Entamoeba coli*.
4. Write notes on any *two* of the following : 8
- (a) General organization of cestodes
- (b) Reproductive organs of trematodes
- (c) Morphology of *Taenia Saginata*
- (d) Hydatid cyst.
5. Write long answer on any *one* of the following : 8
- (a) Describe morphology, life cycle, pathogenicity and control measures of *Paragonimus westermani*.
- (b) Give an account of parasitic adaptation with special reference to cestodes.