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**AB-234345**

**M.Sc. (Semester-IV) Examination, June-2025**

**( Backlog )**

**ZOOLOGY**

**( Biology of Parasitism )**

***Time Allowed : Three Hours***

***Maximum Marks : 70***

**Note :** This question paper is divided into **four** sections. Attempt questions of **all four** sections as per direction. Distribution of marks is given in each section.

**SECTION-A**

**( Objective Type Questions )**

**Note :** Attempt **any ten** questions. Each question carries 1 mark. [10×1=10]

1. Fill in the Blanks.

(i) Genetic material of HIV is \_\_\_\_\_.

(ii) Mycosis refers to \_\_\_\_\_.

MCQs.

(iii) Which of the following has only one host?

(a) E. Histolytica

(b) T. Gambiense

(c) T. Solium

(d) P. Vivax

(iv) Infective stage of plasmodium to man is :

(a) Gametocyte

(b) Sporozoite

(c) Trophozoite

(d) Merozoite

(v) A person is suspecting the infection of Trypanosoma. He should get examined :

(a) Urine

(b) Stool

(c) Blood Smear

(d) Saliva

(vi) Larva of Ascaris hatches out in :

(a) Soil

(b) Liver

(c) Intestine

(d) Lungs

(vii) Dracunculus medinensis is commonly called :

(a) Guinea worm

(b) Seat worm

(c) Pin worm

(d) Hook worm

(viii) Which is not parasite of man?

(a) Hook worm

(b) Pin worm

- (c) Whip worm
- (d) Eye worm
- (ix) The stage of life history of the liver fluke when it infects the primary host is :
  - (a) Redia
  - (b) Cercaria
  - (c) Sporocyst
  - (d) Cysticercus
- (x) Hydrophobia is caused by :
  - (a) Pox virus
  - (b) Herpes virus
  - (c) Rhabdovirus
  - (d) Picorna virus
- (xi) Which of the following is not a bacterial disease?
  - (a) Tetanus
  - (b) Tuberculosis

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- (c) Leprosy
- (d) Poliomyelitis
- (xii) Kala-azar is caused by :
  - (a) Leishmania tropica
  - (b) Trypanosoma cruzi
  - (c) Leishmania donovani
  - (d) Trypanosoma gambiense

#### SECTION-B

#### ( Very Short Answer Type Questions )

**Note:** Attempt **any five** questions. Each question carries **2** marks. (Word limit : **25-30** words) : [5×2=10]

2. Comment on the following :
  - (i) Various forms of Entamoeba Histolytica Found in its Life Cycle.
  - (ii) Common species of plasmodium and diseases caused by them.

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- (iii) Polymorphic forms of Trypanosoma.
- (iv) Amastigote and promastigote forms of Leishmania.
- (v) Elephantiasis
- (vi) Mycosis
- (vii) Enterobius vermicularis (pinworm)

#### SECTION-C

##### ( Short Answer Type Questions )

**Note:** Attempt **any five** questions. Each question carries **4** marks.(Word limit : **250** words) [5×4=20]

3. Write short notes on the following :

- (i) Life cycle of Giardia
- (ii) Ancylostoma
- (iii) Trichinella
- (iv) Rabies

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- (v) Plague
- (vi) Tuberculosis
- (vii) Leprosy

#### SECTION-D

##### ( Essay Type Questions )

**Note:** Attempt **any three** questions. Each question carries **10** marks.(Word limit : **500** words) [3×10=30]

- 4. (i) Describe the life cycle and pathogenicity of Plasmodium vivax.
- (ii) Describe morphology and life cycle of Wuchereria.
- (iii) Describe the life cycle of Fasciola hepatica.
- (iv) Write an essay on AIDS.
- (v) Describe the mode of reproduction in bacteria.

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