

Total number of printed pages - 4

1A(Sem-1) ZLG 2/IIEP

2025

ZOOLOGY

Paper : ZLG0100204 - N

(Parasitology)

Full Marks : 45

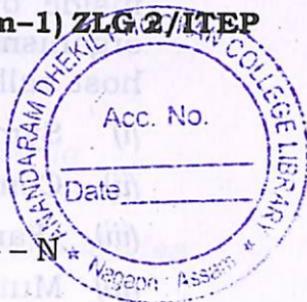
Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct answer : 1×5=5 .

(a) What is an organism carrying another organism to the host called ?

- (i) Parasite
- (ii) Vector
- (iii) Pathogen
- (iv) Bacteria



(b) What is a relationship in which larval development of one organism occurs inside or on the surface of another organism resulting in the death of the host called ?

- (i) Symbiont
- (ii) Commensalism
- (iii) Parasitoid
- (iv) Mutualism

(c) Vector for Kala Azar disease is

- (i) Louse
- (ii) Sand fly
- (iii) Bed bug
- (iv) House fly

(d) The larval form of *Taenia solium* is called.

- (i) *Cysticercus cellulosae*
- (ii) *Cysticercus bovis*
- (iii) Cysticercoid
- (iv) Hydatid cyst

(e) Where are Vampire bats found?

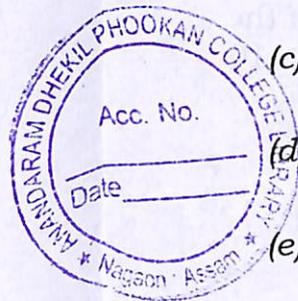
- (i) Australia
- (ii) Europe
- (iii) Central and South America
- (iv) Africa

2. Write short notes on : **(any five)** $2 \times 5 = 10$

- (a) Types of Parasites
- (b) Host-parasite relationship
- (c) Merozoites
- (d) Pathogenicity of *Trypanosoma gambiense*
- (e) Morphology of *Ascaris lumbricoides*
- (f) Copulatory bursa
- (g) Microfilaria
- (h) Treatment of *Trichinella spiralis*
- (i) Control of *Pediculus humanus*
- (j) *Xenopsylla cheopis*

3. Answer the following questions in brief : **(any four)** $5 \times 4 = 20$

- (a) Differentiate between ectoparasite and endoparasite.
- (b) Define a host and its types with suitable examples.
- (c) What is Leishmaniasis? What are the symptoms of Leishmaniasis?
- (d) Briefly describe the pre-erythrocytic cycle of Plasmodium species.
- (e) Describe the morphology of *Taenia solium*.



- (f) Write about the pathogenicity of *Wuchereria bancrofti*.
- (g) Write short notes on external parasites of domestic animals.
- (h) Describe the parasitic nature and adaptations of the Candiru.
4. Answer elaborately : **(any one)** $10 \times 1 = 10$
- (a) Describe the life cycle, pathogenesis, and laboratory diagnosis of *Ascaris lumbricoides*. $4+4+2=10$
- (b) Describe the morphology, life cycle, pathogenesis, diagnosis and prevention of *Trichinella spiralis*. $2+4+2+2=10$
- (c) Write the difference between ticks and mites. How are ticks and mites harmful to human? Suggest some methods to control of ticks and mites. $3+3+4=10$
- (d) Describe the morphology, habitat, feeding habits and behaviours of the vampire bat. $2+2+4+2=10$

