

(i) Printed Pages : 2

Roll No. ....

(ii) Questions : 9

Sub. Code :

1	7	4	5	7
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Exam. Code :

0	0	0	5
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B.A./B.Sc. (General) 5th Semester  
(2125)

ZOOLOGY

Paper-II : Applied Zoology-I

Option : (i) Medical Zoology & Medical Laboratory  
Technology-I (ZOO-502A)

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— (1) Attempt **five** questions in total.

(2) Question No. 1 is compulsory and attempt any **one** question from each Unit.

(3) Draw well labeled diagrams wherever necessary.

I. Write notes on the following :

(i) Japanese encephalitis

(ii) Hyperparasite with example

(iii) Symptoms of Visceral leishmaniasis

(iv) Hypnozoites

(v) Larva of *Ancylostoma*

(vi) Diseases transmitted by *Mansonia* species

(vii) Reservoir host with example

(viii) Microfilaria.

8×1=8

## UNIT—I

- II. Briefly discuss:
- (a) Dengue
  - (b) Tuberculosis. 3.5×2
- III. Give an account of the occurrence and eradication programs employed for Cholera and typhoid. 7

## UNIT—II

- IV. (a) Describe the pathogenicity and treatment of *Trypanosomiasis*. 4
- (b) Give an account of Post Kala Azar Dermal leishmaniasis. 3
- V. Discuss the life history, pathogenesis, treatment and prophylaxis of *Giardia*. 7

## UNIT—III

- VI. (a) Give an account on *Oxyuris*. 3
- (b) Discuss the life cycle, pathogenicity and treatment of *Echinococcus*. 4
- VII. Describe the life history, mode of infection, pathogenesis, prophylaxis and treatment of Fasciolopsis. 7

## UNIT—IV

- VIII. Discuss the life cycle, diseases transmitted and strategies implemented for the control of *Culex*, *Aedes* and *Anopheles* mosquitoes. 7
- IX. (a) Give an account of life cycle, disease transmitted and control by fleas. 5
- (b) Outline the medical importance of *Pediculus* as an arthropod vector. 2