

(i) Printed Pages : 2

Roll No. ....

(ii) Questions : 9

Sub. Code :

0	4	5	7
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Exam. Code :

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B.A./B.Sc. (General) 5<sup>th</sup> Semester  
(2123)

ZOOLOGY (ZOO-502 A)

Opt. (i) Medical Zoology & Medical Laboratory Technology-I  
Paper—II : Applied Zoology—I

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt FIVE questions in all, including Question No. 1 which is compulsory and selecting ONE question from each Unit. Draw neat and well labelled diagrams wherever required.

I. Describe the following :

- Signs and symptoms of dengue haemorrhagic fever (DHF).
- Relapse and recrudescence in malaria.
- Hydatid cyst.
- Buccal cavity of *Ancylostoma duodenale* and *Necator americana*.
- Microfilarial periodicity.
- Vector of Chikangunya.
- Disease caused by *Anopheles stephensi* and *A. culicifaces*.
- Trophozoite of *Giardia*. 8×1

## UNIT-I

- II. Give an account of the epidemic diseases such as Typhoid and Cholera, their occurrence and eradication programmes. 7
- III. Give an account of the epidemiology of Japanese encephalitis, its causative agents, symptoms, diagnosis and treatment. 7

## UNIT-II

- IV. Give an account of life cycle, symptoms, pathogenesis, prophylaxis and treatment of visceral leishmaniasis. 7
- V. Give an account of life cycle, pathogenesis, prophylaxis and treatment of *Entamoeba histolytica*. 7

## UNIT-III

- VI. Give an account of life cycle, mode of transmission, pathogenesis, prophylaxis and treatment of *Trichinella spiralis*. 7
- VII. Give an account of life cycle, mode of transmission, pathogenesis, prophylaxis and treatment of *Wuchereria bancrofti*. 7

## UNIT-IV

- VIII. Give a comparative account of life cycle of *Anopheles*, *Aedes* and *Culex* and their role as vector. 7
- IX. Give an account of arthropods as vector of disease caused by protozoan parasites. 7