(i) Printed Pages: 2 Roll No. .....

(ii) Questions : 9 Sub. Code : 0 4 5 7

Exam. Code : 0 0 0 5

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

1128

ZOOLOGY

Paper—II Applied Zoology—I Opt. (i) Medical Zoology and Medical Laboratory Technology—I

Time Allowed : Three Hours] **[Maximum Marks : 36**

Note :— Question No. **1** is compulsory. Attempt **one** question from each unit. In all attempt **five** questions including the compulsory **one**.

1. Write notes on the following :

   (i) Name the pathogen and vector for Chikangunya.

   (ii) Draw life cycle of *Entamoeba histolytica.*

   (iii) Periodicity of microfilaria of *Wuchereria bancrofti.*

   (iv) Comment on *Pediculus* as vector of medically important bacterial diseases.

   (v) Mucocutaneous leishmaniasis.

   (vi) Zoonotic disease.

   (vii) Reservoir host.

   (viii) Black water fever. 8×1=8

UNIT—I

2. Discuss the symptoms of dengue, its diagnosis, treatment and prevention strategies. 7

3. Write short notes on :

   (i) Widal test.

   (ii) Small pox vaccine.

   (iii) Sing and symptoms of cholera.

   (iv) Definitive and intermediate hosts. 2+2+1½+1½=7

UNIT—II

4. Discuss an account of life history (diagrammatic sketch only) and pathogenicity of *Plasmodium vivax*, the human malarial parasite. 7

5. Give an account of life history (diagrammatic sketch only) and pathogenicity of *Leishmania donovani* causing visceral leishmaniasis. 7

UNIT—III

6. Give an account of life history (diagrammatic sketch only), pathogenicity and prophylaxis of *Trichinella spiralis*. 7

7. Give an account of life history (diagrammatic sketch only), pathogenicity and prophylaxis of *Ancylostoma duodenale*. 7

UNIT—IV

8. Tabulate differences between various life cycle stages of *Anopheles, Culex* and *Aedes*. Draw suitable diagrams. 7

9. Give an account of role of various species of mosquitoes as vectors of human diseases. 7