

Exam. Code : 103206

Subject Code : 1345

B.A./B.Sc. 6th Semester

ZOOLOGY

Paper—Zoo-VI A, Opt. (i)

(Medical Zoology)

Time Allowed—Three Hours] [Maximum Marks—35

SECTION—A

1. ALL questions are compulsory :
- (a) What are viruses ?
 - (b) Write the mode of infection of *Entamoeba*.
 - (c) What is typhoid fever ? How is it caused ?
 - (d) What are the various classes of parasites ?
 - (e) Define Serology.
 - (f) Enlist some important factors that influence immunogenicity.
 - (g) What are antigenic determinants ? 1×7=7

SECTION—B

2. (a) Give a brief account of life history of *Trypanosoma* sp. 5
- (b) Write down the prophylaxis and treatment against *Leishmania* infection. 2

OR

3. Explain the life history, mode of infection and pathogenicity of *Schistosoma* sp. 7

4. (a) Explain the life cycle of *Anopheles culicifaces*. 4
(b) What are the various programmes implemented to eradicate small pox ? 3

OR

5. (a) What are the control measures of plague ? 3
(b) Explain the life cycle of *Culex pipiens*. 4
6. (a) Draw and explain the basic structure of Immunoglobulins. 5
(b) What are the classes of Immunoglobulins ? 2

OR

7. (a) Differentiate between humoral and cell-mediated immunity. 4
(b) Why is active immunity better than passive immunity ? 3
8. (a) Briefly outline the ELISA test. 3
(b) Describe the different variants of ELISA test. 4

OR

9. (a) What are the Attenuated Vaccines ? 2
(b) Write the advantages and disadvantages of attenuated vaccines. 5