

Exam. Code : 103206

Subject Code : 1416

B.A./B.Sc. Semester—VI

ZOOLOGY

Paper—Zoo—VI A, Opt. (i), Medical Zoology

Time Allowed—3 Hours]

[Maximum Marks—35

1. ALL questions are compulsory :

- (a) Define adjuvant.
- (b) Name the causal agent of disease meningitis.
- (c) Write the common names of disease American Trypanosomiasis and lymphatic filariasis.
- (d) What is the significance of pentameric structure of immunoglobulin M ?
- (e) What is the habitat of *Leishmania* sp. in the host ?
- (f) How does the *Ancylostoma* enter into its host ?
- (g) Give the symptoms of disease Boutonneuse fever.

2. Give an account of the life history, mode of infection and pathogenicity of *Waucheria* and *Giardia*.

OR

3. Describe the taxonomy, classification and pathogenicity of bacteria.

4. Describe the epidemiology and eradication program of typhoid and smallpox diseases.

OR

5. Give an account of life cycle of an arthropod causing malaria. What are the symptoms, diagnosis and treatments of it ?
6. Differentiate between an antigen and an antibody. Give the structures and functions of all the immunoglobulins.

OR

7. Explain the physical and chemical properties of antigens. How do antibodies work to neutralize antigens ?
8. Describe the following :
 - (a) ELISA
 - (b) Precipitation.

OR

9. Define vaccination. Explain the vaccination schedule from the birth of the child to ten years of age.