

M.Sc.(Zoology) (CBCS Pattern) Semester - III
PSCZOOT09 - Paper-I : Parasitology and Immunology

P. Pages : 1

Time : Three Hours



GUG/S/23/11305

Max. Marks : 80

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- Notes : 1. All questions are compulsory.
2. All questions carry equal marks.
3. Draw well labeled diagrams wherever necessary.

1. Write an account on Life Cycle and Mode of Transmission of *Yersinia Pestis*. **16**

OR

- a) Life cycle of *Vibrio cholera*.
b) Mode of transmission and infection of *Hepatitis*.

2. Describe in detail the life cycle and mode of transmission of *Trypanosoma* & add a note on its treatment. **16**

OR

- a) Life cycle of *Malaria*.
b) Life cycle of *Wuchereria bancrofti*.

3. Write an account on cells and organs of Immune system. **16**

OR

- a) Inheritance of MHC.
b) Regulation of complement system.

4. Give an account on Type I and Type II Hypersensitivity reaction. **16**

OR

- a) Cell mediated cytotoxic response.
b) Graft rejection and familial grafting.

5. Attempt the following. **16**

- a) Dengue
b) Toxins
c) Antigen
d) ELISA
