

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11305

Max. Marks : 80

-
- Notes : 1. All question are compulsory.
2. All questions carry equal marks.
3. Illustrate your answer with suitable diagram.

1. Give detailed account on Influenza virus add a note on it's infection and treatment. **16**

OR

Write notes on.

- a) Life cycle of yersinia pestis and its treatment.
- b) Hepatitis mode of transmission and treatment.

2. Life cycle of Entamoeba and mode of transmission. **16**

OR

Write notes on.

- a) Life cycle of Malaria.
- b) Life cycle of Trichonella.

3. Give a essay on B-cell maturation, activation and differentiation. **16**

OR

Write notes on.

- a) Antigen and Antibiotics and its interaction.
- b) General organization and inheritance of MHC.

4. Describe Types and role of tumor antigens. **16**

OR

Write notes on.

- a) Properties of cytokines and cytokine receptor.
- b) Mechanism of Type-IV hypersensitivity Reaction.

5. Attempt the following. **16**

- a) Clostridium titani.
- b) Antitoxins.
- c) Classical pathway.
- d) Tissue typing.
