

B.Sc.-III (CBCS Pattern) Semester - VI
USCZOT13 - DSE - Core Paper-XIII - Zoology Paper-I : Immunology

P. Pages : 1

Time : Three Hours



GUG/S/23/13369

Max. Marks : 50

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw labelled diagram wherever necessary.

1. Give an account of Histological Perspectives of Immunology. 10

OR

- a) Write a note on acquired immunity. 5
- b) Types of T cells. 5

2. Explain in detail Haematopoiesis. 10

OR

- a) Peyer's Patches. 5
- b) Antigen-antibody Interaction. 5

3. Give account on Monoclonal Antibodies. 10

OR

- a) Structure of Immunoglobuline. 5
- b) Epitope and Paratope. 5

4. Explain autoimmunity with example. 10

OR

- a) Short note on Vaccines. 5
- b) MHC I 5

5. Write 4-5 lines on **any ten**. 10

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|-------------------|----------------------------|
| i) Phagosome. | ii) Inflammatory response. |
| iii) Lymphocytes. | iv) MALT. |
| v) Erythroblast. | vi) Neutrophils. |
| vii) IgM | viii) Light chain. |
| ix) Paratope | x) CD8 cells |
| xi) HLA complex. | xii) Toxoids. |
