

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

P. Pages : 1

Time : Three Hours



GUG/W/24/13369

Max. Marks : 50

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

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1. Write in detail anatomical and physiological barriers to infection. 10
- OR**
- a) Immune response to inflammation. 5
- b) Mechanism of cell mediated immunity. 5
2. Explain in detail myeloid and lymphoid lineage in the process of haematopoiesis. 10
- OR**
- a) Primary lymphoid organs. 5
- b) Antigen presenting cells. 5
3. Explain structure of antibody and enlist its functions. 10
- OR**
- a) General structure of Antibody and its functions. 5
- b) Basic properties of antigens. 5
4. Explain structure and functions of MHC. 10
- OR**
- a) Autoimmunity. 5
- b) Systemic Lupus Erythematosus (SLE). 5
5. Write 3-4 lines on **any ten**. 10
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|-----------------------|----------------|
| i) Mast Cells | ii) Lysozymes |
| iii) NK cells | iv) B Cells |
| v) Lymph Nodes | vi) GALT |
| vii) Adjuvant | viii) IgG |
| ix) Paratope | x) CD8 Cells |
| xi) Diabetes Mellitus | xii) Psoriasis |
