

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

P. Pages : 1

Time : Three Hours



GUG/W/23/13369

Max. Marks : 50

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

1. Give an account on adaptive Immunity. 10
- OR**
- a) Primary line of defence. 5
b) Anatomical barriers to infection 5
2. Explain in detail Hematopoiesis. 10
- OR**
- a) Thymus 5
b) Lymph node 5
3. Explain structure of antibody and enlist its functions. 10
- OR**
- a) Basic properties of Antigen. 5
b) Factors Influencing Immunogenicity. 5
4. Explain structure of MHC and its type. 10
- OR**
- a) Autoimmunity. 5
b) Recombinant Vaccines 5
5. Write 4-5 lines on **any ten**. 10
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|-----------------------|----------------|
| i) Mucous Membrane | ii) Lysozyme |
| iii) NK cells | iv) Stem Cells |
| v) Spleen | vi) MALT |
| vii) IgM | viii) Hapten |
| ix) Epitope | x) CD4 Cells |
| xi) Diabetes Mellitus | xii) Psoriasis |
