QP Code: 104385 Reg. No......

First Year M.Sc. MLT Degree Supplementary Examinations January 2023 (Microbiology) Paper IV - Immunology

Time: 3 hrs. Max. marks: 100

- Answer all questions to the point neatly and legibly
 Do not leave any blank pages between answers
 Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays: (10x10=100)

- 1. Define and classify immunity. Describe innate immunity in detail.
- 2. Type I hypersensitivity in detail with suitable examples.
- 3. Flow cytometry- principle and applications in microbiology.
- 4. Classify antigen –antibody reactions. Describe agglutination reactions with suitable clinical applications.
- 5. Describe briefly immunology of malignancy.
- 6. Primary lymphoid organs.
- 7. Structure and functions of class I and II Major Histocompatibility Complex (MHC) molecules.
- 8. Structure and function of Immunoglobulin A.
- 9. Graft versus host reaction.
- 10. Cytokines.
