

M.Sc.(Biotechnology) Second Semester Old
BT2-T006 - Immunology & Immunological Techniques Paper – II

P. Pages : 1

Time : Three Hours



GUG/W/18/2207

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Describe structure and function of secondary lymphoid organs. 16
- OR**
- a) Discuss the various factors affecting Antigenicity. 8
- b) Write a note on different classes of Immunoglobulins. 8
2. Discuss Major Histocompatibility (MHC) molecules. 16
- OR**
- a) Describe mechanism of cell mediated immunity. 8
- b) Write a note on activation of B cell cells. 8
3. Write about the mechanism and applications of precipitation reaction in serology. 16
- OR**
- Write an account on.
- a) Hybridoma technology. 8
- b) ELISA. 8
4. Describe the mechanism involved in Anaphylaxis and Atopy type of hypersensitivity. 16
- OR**
- a) Discuss the term vaccine and give the significance of vaccination. 8
- b) Describe the various causes of autoimmunity. 8
5. Write note on.
- a) Acquired immunity. 4
- b) Role of cytokines. 4
- c) Complement fixation test. 4
- d) Immunological tolerance. 4
