

## IMMUNOLOGY TEST- 4

Time: 2½ hr

MM - 60

1. Draw a well labelled diagram of Antibody molecules. Explain the structure of Immunoglobins.
2. Describe the process of producing monoclonal antibodies. What are the applications of monoclonal antibodies? Differentiate between Abzymes and mAb.
3. Describe the endogenous process of antigen presentation. How is it different from another pathway for antigen presentation?
4. What is vaccine? Explain various types of vaccines?
5. Explain the role of Major histocompatibility complexes in function of immune system.
6. Differentiate between Primary and Secondary immune responses? How are these related to create an effective acquired immune response?
7. Explain the function of immune system and accessory cells from the point of administration of antigen to the development of an effective immune response.