

Immunology & Immunotechnology

(3 Hours)

27

Total Marks: 80

NB. (1) Question No.1 is compulsory

(2) Attempt any 3 questions out of remaining 5 questions

(3) Figures to right indicates full marks

- Q.1 a) Explain with diagram Enzyme Linked Immunosorbant Assay (ELISA) 10
 b) Explain with diagram Western Blot 10
- Q.2 a) Describe the characteristics and functions of macrophages 10
 b) Explain the concepts of antigen processing and presentation with a suitable example. 10
- Q.3 a) Write notes on any two: 10
 1) AIDS
 2) Monoclonal antibodies
 3) Gamma interferon
 b) Distinguish b/w B Cell Receptor & T Cell Receptor 10
- Q.4 a) Difference b/w MHC Class I & MHC Class II 10
 b) Draw a Well Labeled, Schematic diagram of Antibody 10
- Q.5 a) Describe the characteristics of innate immunity 10
 b) Write Difference b/w Cell mediated and humoral response 10
- Q.6 a) Describe the structure and function of the thymus and spleen 10
 b) Describe the structure, characteristics and functions of IgG 10