



- a) **Acquired immunity**      b) Active immunity  
 c) passive immunity      d) None of the above
- x) Hepatitis is an example of \_\_\_\_\_.
- a) Subunit Vaccine      b) killer Vaccine  
 c) Toxoids Vaccine      d) Recombinant Vaccine
- Xi) Interferons are \_\_\_\_\_
- a) Cytokine barriers      b) Physical Barriers  
 c) Cellular barriers      d) Physiological barriers
- xii) Monocytes differentiate into which kind of phagocytic cells \_\_\_\_\_.
- a) Neutrophil      b) B cell  
 c) Macrophages      d) T cell
- xiii) How many types of antibodies are there?
- a) Five      b) Three  
 c) Two      d) Four
- xiv) \_\_\_\_\_ of the following cells is involved in cell-mediated immunity.
- a) Leukaemia      b) T cells  
 c) Mast Cells      d) Thrombocytes
- xv) \_\_\_\_\_ antibody causes a main immune response
- a) IgG      b) **IgM**  
 c) IgA      d) IgE

### Long Questions

- i) Define an Antibody. Explain in detail IgG immunoglobulin
- ii) What is defense mechanism. Explain specific defense mechanism.
- iii) Define immunity. Give in detail account of different types of immunity.
- iv) Explain in detail secondary lymphoid organs their roles.
- v) Define immunity. Give in detail account of different types of acquired immunity.
- vi) What is antigen. Explain principal, mechanism of agglutination and precipitation.
- vii) Explain Antigen and Antibody reactions- a) ELISA and b) Fluorescent antibody test

## **Short Notes**

- i)Secondary immunity
- ii)Structure of Antibody
- iii)Nk cells
- iv)First line of defense
- v)IgA
- vi)Primary lymphoid organ
- vii) Macrophages
- viii) T lymphocytes and B lymphocytes
- ix) Primary immunity
- x)ELISA
- xi)Types of antigens
- xii)First line of defense
- xiii)Second line of defense
- xiv)Factors affecting on antigenecity
- xv)Hypersensitivity.