

(3 Hours)

[Total Marks: 80]

1. Question no. 1 is compulsory
2. Attempt ANY 3 from remaining questions
3. Draw diagram wherever necessary.

Q1. WRITE SHORT NOTE ON: (ANY 4)

(20)

- (a) Radio Immunoassay
- (b) B-Cell Receptors
- (c) Agglutination
- (d) Clonal selection
- (e) T-cells

Q2. a) Describe different cells participating in immune response.

(10)

b) What are antibodies? Explain their structure and functions.

(10)

Q3. a) What is Innate Immunity?

(06)

b) Describe the Tcell receptors along with diagram.

(08)

c) What is alternate pathway?

(08)

Q4. a) What is precipitation reaction in antigen and antibody? Describe its types.

(10)

b) State and explain any 2 cytokine related disorders.

(10)

Q5. a) What are cell mediated cytotoxic responses?

b) Describe the processes involved in antigen processing and presentation.

Q6. a) Explain the process of T cell activation and differentiation.

(10)

b) Discuss processes involved in primary and secondary immune response.

(10)