

V.P.SCIENCE COLLEGE
B.Sc. Semester – V Examination
Friday 5th October – 2018
Microbiology - US05CMIC04
Immunology



Time: 10.00am to 12.00 noon

Total Marks: 50

Q.1. Select the most appropriate answer:

(08)

- 1) Following is an example of primary lymphoid tissue:
(a) Thymus (b) Lymph Node
(c) Bone Marrow (d) None of these
- 2) The Lectin Complement pathway activates
(a) C₃ Convertase (b) Mannose binding protein
(c) C₅ Convertase (d) None of these
- 3) CD₈ Antigens are present on:
(a) T_H Cells (b) Tc Cells
(c) Both a & b (d) None of these
- 4) The Antigenic determinant site on an Antigen is called:
(a) Hapten (b) Epitope
(c) Valence (d) None of these
- 5) The Immunoglobulin present in body secretions is:
(a) IgG (b) IgA
(c) IgM (d) IgD
- 6) The monomers of IgM molecules are joined to form a pentamer by:
(a) Disulphide bonds (b) J chain
(c) Both a & b (d) None of these
- 7) Following is an example of Type IV Hypersensitivity:
(a) Hay Fever (b) Contact Dermatitis
(c) Arthus reaction (d) Serum sickness
- 8) Genetically identical graft is known as:
(a) Allograft (b) Autograft
(c) Isograft (d) Xenograft

P.T.O



Q.2. Answer in short: (Any 5) (10)

- 1) Explain the term Cytokine. Give one example.
- 2) What are Acute phase proteins?
- 3) What is Cell mediated immunity?
- 4) What is the significance of MHC molecule?
- 5) What is the difference between primary & secondary antibody response?
- 6) What is clonal selection?
- 7) Explain the phenomenon of Graft v/s Host reaction.
- 8) What is Di George Syndrome?

Q.3. Explain in detail, the process of Phagocytosis. (08)

OR

Q.3. Write in detail on acute inflammation. (08)

Q.4. Explain the process of T helper cell activation. (08)

OR

Q.4. Write an essay on: B cell biology (08)

Q.5. With the help of a neatly labeled diagram, Explain the basic structure of an Immunoglobulin molecule. (08)

OR

Q.5. Explain the Zone phenomenon & Lattice Hypothesis in detail (08)

Q.6. Define Autoimmunity. Explain briefly, the systemic of autoimmune diseases. (08)

OR

Q.6. Write an Essay on: Type I Hypersensitivity. (08)
