



V.P & R.P.T.P SCIENCE COLLEGE
Vallabh Vidhyanagar
Internal Test - 2016
B.Sc Semester V
Microbiology - US05CMIC04

Date: 04.10.2016

Time: 11.00 am to 12.30 pm

Total Marks – 25

N.B. (i) Attempt All Questions. (ii) Marks are indicated on the right.

Q.1. Select the most appropriate answer: (03)

- 1) Following is a Secondary Lymphoid Organ:
(a) Spleen (b) Thymus (c) Lymph node (d) None of these
- 2) Molecules involved in the Perforin pathway are :
(a) Perforin & Ligands (b) Perforin & Granzymes
(c) Perforin & Cytokines (d) Granzymes & Interleukins
- 3) Half Life of IgE in serum is:
(a) 20 days (b) 2-3 days (c) 1 day (d) None of the above

Q.2. Answer in short (Any Two) (04)

- 1) Explain the role of Mast cells in immune response.
- 2) Explain the following terms (i) Hapten (ii) CD Antigens.
- 3) What is Passive agglutination?

Q.3. Write a note on: Acute Inflammation (06)
OR

Q.3. What is Complement? Describe the Classical Pathway of Complement. (06)

Q.4. Explain the Process of activation of T Helper cells. (06)

OR

Q.4. Write notes on: (i) B cell receptors (ii) Recognition of Foreignness (06)

Q.5. Write a note on: Zone Phenomenon & Lattice Hypothesis. (06)

OR

Q.5. Explain with the help of a neatly labeled diagram, the structure of an Immunoglobulin molecule (06)
