

V.P. & R.P.T.P SCIENCE COLLEGE
Internal Test-October' 2013
US05CMIC04

Friday, 4th Oct' 2013

Time: 3.30 pm to 5.00 pm

Maximum Marks: 30

N.B: (1) Attempt All Questions. (2) Marks are indicated on the Right.

Q.1. Select the Right Answer:

(06)

1. Killing of the ingested bacterial cells in phagocytes is brought about by:
a) Reactive oxygen intermediates c) Defencins
b) Reactive nitrogen intermediates d) All of these
2. Rubor, calor, dolor, tumor are the signs of:
a) Phagocytosis c) Complement fixation
b) Inflammation d) None of these
3. Human leucocyte antigen (HLA) complex is the MHC in:
a) Mice c) All animals
b) Humans d) None of the above
4. T cells differentiate in the:
a) Blood c) Bone marrow
b) Thymus d) Bursa of fabricius
5. Formation of a gene for the heavy chain of an antibody molecule includes:
a) V & J regions c) VDJ & C regions
b) VJ & C regions d) Any of these
6. Hybridomas were first used for producing:
a) Cytokines c) Monoclonal antibodies
b) Antigens d) Polyclonal antibodies



P.T.O



Q.2. Answer in short (Any Three)

(06)

- 1) What are Opsonins?
- 2) Name two Cytokines & write its functions.
- 3) What is a B cell receptor?
- 4) Write on the significance of Perforin pathway?
- 5) Compare Primary & Secondary immune response.
- 6) What is Passive agglutination?

Q.3. Write a brief account of Cells, Tissues & Organs of the Immune system.

(06)

OR

Q.3. Explain the Classical pathway of Complement.

(06)

Q.4. Write a note on: 'Antigens'

(06)

OR

Q.4. Explain in brief: 'T helper cell activation'.

(06)

Q.5. Write a note on: 'Immunoglobulin classes'

(06)

OR

Q.5. Explain the Zone Phenomenon & Lattice Hypothesis

(06)
