

**B.Sc. IN MEDICAL LABORATORY TECHNOLOGY  
(BSCMLT)**

**Term-End Examination  
June, 2013**

**BAHI-007 : IMMUNOLOGY**

*Time : 3 Hours*

*Maximum Marks : 70*

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**PART - A**

Answer *any three* questions. Each question carries **10** marks. **10x3=30**

1. What are T cell and B cell ? Describe their role in diseases.
2. What are mechanical barriers in immunity? Describe any one of them.
3. Describe hypersensitivity and give two examples of hypersensitivity reaction.
4. Comment on the following terms :
  - (a) Method of detecting antigen and antibody
  - (b) Widal test
  - (c) Agar gel diffusion
  - (d) Incomplete antibody

## PART - B

5. Write short note on *any four* of the following :  $5 \times 4 = 20$
- (a) IgA
  - (b) Auto immunue phenomena
  - (c) VDRL
  - (d) Serological tests
  - (e) Hapten
6. Briefly comment on the following. :  $2 \times 5 = 10$
- (a) Complement and cytokines
  - (b) Immuno Fluorescence
  - (c) Phagocytosis
  - (d) Monocloral antibodies
  - (e) Multiple myeloma
7. Fill in the blanks :  $1 \times 5 = 5$
- (a) N K cell are called \_\_\_\_\_ cell.
  - (b) Rheumatoid arthritis is a \_\_\_\_\_ disease.
  - (c) SLE full name is \_\_\_\_\_ .
  - (d) VDRL test is done to diagnose \_\_\_\_\_ .
  - (e) Test done to confirm entense fever is \_\_\_\_\_.

8. Write the appropriate answer :

1x5=5

- (a) Tetanus Toxoid injection is given for
  - (i) Active Immunity
  - (ii) Passive Immunity
  - (iii) All of the above
  - (iv) None of the above
- (b) IgM is prominent on electrophoresis in
  - (i) Multiple Myeloma
  - (ii) Syphilis
  - (iii) T.B
  - (iv) Typhoid
- (c) Hashmoto thyroiditis is a
  - (i) Auto Immune disease
  - (ii) Cancer
  - (iii) Immuno deficiency disease
  - (iv) None of the above
- (d) T cells are associated with
  - (i) Cellular Immunity
  - (ii) Humoral Immunity
  - (iii) All of the above
  - (iv) None of the above
- (e) Plasma Cell are derived from
  - (i) B cell
  - (ii) T cell
  - (iii) Mast cell
  - (iv) N K cell