

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

**Term-End Examination
December, 2011**

00332

BAHI-007 : IMMUNOLOGY

Time : 3 hours

Maximum Marks : 70

PART - A

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

1. Define antigen and antibody. Describe antigen and antibody reactions.
2. What is immunological apparatus ? Describe the components of immunological apparatus, and enlist their functions.
3. Define 'T'-Cells and 'B'-cells. Describe interactions and role of T and B cells.
4. Define the following terms and illustrate the uses of each.
 - (a) Immuno electrophoresis (IEP)
 - (b) Counter Immuno electro phoresis current (CIEOP)
 - (c) Agar gel diffusion (AGD)
 - (d) Coloumn chromatography

PART -B

5. Write short notes on *any four* of the following : **5x4=20**
- (a) Macrophages.
 - (b) Activated lymphocyte
 - (c) complement
 - (d) Immune tolerance
 - (e) IgG.
6. Write in brief on the following : **2x5=10**
- (a) Hapten
 - (b) Classification of immunoglobulins
 - (c) Passive immunity.
 - (d) Precipitation reaction
 - (e) Flocculation tests
7. Fill in the blanks : **1x5=5**
- (a) T - cells play active role in _____ immunity.
 - (b) B - cells play active role in _____ immunity .
 - (c) Anaphylaxis is _____ reaction.
 - (d) Widal test is _____ reaction .
 - (e) VDRL test is one of the test performed routinely for diagnosis of _____ .

8. Write the appropriate answer.

1x5=5

(a) On snake bite immediate survival treatment, performed is :

- A : Active immunity.
- B : Passive immunity.
- C : Both the above
- D : None of the above

(b) Delayed Hyper sensitivity Reaction is seen in :

- A : Anaphylaxis
- B : Drug reaction
- C : Tuberculosis.
- D : Pneumonia

(c) Widal test is performed for the diagnosis of :

- A : Enteric fever
- B : Tuberculosis
- C : Sarcoidosis .
- D : Brucellosis .

(d) Fc and Fab are structural Part of :

- A : Complement
- B : Antigen
- C : Immunoglobulin
- D : Hapten

(e) Auto anti bodies are seen in :

A : Hoshimoto Disease of thyroid.

B : Auto Immune haemolytic anemia.

C : All of the above

D : None of the above
