

00004

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

Term-End Examination

June, 2015

BAHI-007 : IMMUNOLOGY

Time : 3 hours

Maximum Marks : 70

PART - A

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

1. Define and classify hypersensitivity, write a short note on anaphylaxis.
2. Describe in detail about the structure, function of T cell and B cell lymphocytes.
3. Define immune response. Describe about humoral immune response.
4. Describe in detail principle, procedure and interpretation of Widal test in diagnosis of various types of enteric fever.

PART - B

5. Write in brief on **any four** of the following : **5x4=20**
 - (a) Ig G
 - (b) VDRL Test
 - (c) Structure of immunoglobulins
 - (d) Passive immunity
 - (e) Interleukins

6. Write short answers on : 2x5=10
- (a) Antibody
 - (b) List two difference between active and passive immunity
 - (c) Coombs and Gel classification
 - (d) Live vaccine
 - (e) Flocculation Test

PART - C

7. Write **True/False** for the following : 1x5=5
- (a) Hapten is a complete antigen.
 - (b) Widal test is an example for precipitation reaction.
 - (c) BCG vaccine is an example for live vaccine.
 - (d) Primary response is slow, sluggish and short lived.
 - (e) Immunoglobulin classes are determined by L chains.
8. Fill in the blanks by choosing the appropriate from the following : 1x5=5
- (a) Weil-Felix reaction is in serodiagnosis of _____.
 - (i) typhus fever
 - (ii) typhoid fever
 - (b) Trimolecular complex C 567 of complement system is _____.
 - (i) heat labile
 - (ii) heat stable
 - (c) Tuber culin test is an example for _____ hypersensitivity.
 - (i) Type II
 - (ii) Type IV

- (d) In agglutination reaction _____ type of antigen is involved.
- (i) particulate
 - (ii) soluble
- (e) _____ immunoglobulin is the only maternal antibody to transport across the placenta.
- (i) Ig M
 - (ii) Ig G
-