

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

Term-End Examination

December, 2016

00363

BAHI-007 : IMMUNOLOGY

Time : 3 hours

Maximum Marks : 70

Note : *The question paper consists of three parts — A, B and C. Attempt any three questions from Part A. Attempt all questions from Part B and Part C.*

PART A

Answer any three of the following :

1. (a) Define T cells and B cells.
(b) Describe the role of T and B cells. 5+5=10
2. (a) What are immune responses ?
(b) List the differences between active and passive immunity. 5+5=10
3. (a) Define and classify hypersensitivity.
(b) Discuss anaphylaxis reaction. 5+5=10
4. (a) Define antigen and antibody.
(b) Explain antigen and antibody reactions. 5+5=10

PART B

5. Write short notes on any *four* of the following : 4×5=20

- (a) VDRL Test
- (b) Importance of IgM
- (c) Activated Lymphocyte
- (d) ELISA
- (e) Structure of Immunoglobulin

6. Write short notes on any *two* of the following : 2×5=10

- (a) Hapten
- (b) Live Vaccine
- (c) Allergy
- (d) Radial Immunodiffusion
- (e) Coombs and Gell Classification

PART C

7. Fill in the blanks. 5×1=5

- (a) B cells play an active role in _____ immunity.
- (b) Reaction in Widal Test is _____ .
- (c) In immune response, IgM is _____ .
- (d) Weil Felix reaction is the serodiagnosis of _____ .
- (e) *In vitro* sensitization of RBC with antibody is detected by _____ .

8. Write *True/False* for the following : 5×1=5

- (a) Immunoglobulin classes are determined by M chains. [T/F]
 - (b) Polio vaccine is an example of live vaccine. [T/F]
 - (c) Delayed Hypersensitivity reaction is seen in Drug reactions. [T/F]
 - (d) Fc and Fab are structural part of complements. [T/F]
 - (e) Bone-marrow is a peripheral lymphoid organ. [T/F]
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