

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

**Term-End Examination
December, 2012**

BAHI-007 : IMMUNOLOGY

Time : 3 Hours

Maximum Marks : 70

PART - A

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

1. Define Immunity. What are the types of Immunity ?
2. What is antibody ? Write briefly its functions.
3. What are heavy chain and light chain Immunoglobulins ?
4. Describe the following terms and indicate their uses.
 - (a) Flocculation Tests
 - (b) Serum Electrophoresis
 - (c) Graft Rejections
 - (d) Phagocytosis

PART - B

5. Write short notes on *any four* of the following : $4 \times 5 = 20$
- (a) Acquired Immunity
 - (b) Complement
 - (c) Components of Immune System
 - (d) Plasma cells
 - (e) Anaphylactic Reaction
6. Write in brief on the following : $5 \times 2 = 10$
- (a) Macrophage
 - (b) Immune Tolerance
 - (c) IgM
 - (d) Anti Immunity
 - (e) Immuno diffusion
7. Fill in the blanks : $5 \times 1 = 5$
- (a) B Lymphocyte mature in _____.
 - (b) T Lymphocyte contains _____ on their surface.
 - (c) Plasma cells are rich in _____.
 - (d) Robert Koch got Noble Prize for _____.
 - (e) Rhenmatoed arthritis is an example of _____.

8. ✓ the correct answer.

5x1=5

- (a) Mantoux test is performed for :
- (i) Typhoid
 - (ii) Malaria
 - (iii) Tuberculosis
 - (iv) Sarcoidosis
- (b) Mol. weight of IgM is :
- (i) 150
 - (ii) 900
 - (iii) 130
 - (iv) 400
- (c) Serum Electrophoresis is done for the diagnosis of :
- (i) Multiple Myeloma
 - (ii) Enteric fever
 - (iii) Syphilis
 - (iv) Pneumonia
- (d) CD4 Marker is present on the surface by :
- (i) T cell
 - (ii) B cell
 - (iii) Mast cell
 - (iv) Dendritic cell
- (e) Hypersensitivity reaction is seen in :
- (i) Anaphylactic reaction
 - (ii) Anti immune haemolytic anaemia
 - (iii) Contact Dermatitis
 - (iv) All of the above
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