



**S-2666**

**M. Sc. (Part - I) (Sem. I) (Med.Tech.) Examination**  
**March / April - 2011**

**MT : 102 - General Immunology : Paper - II**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दर्शाविएव निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. Sc. (Part - 1) (Sem. 1) (Med.Tech.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MT : 102 - General Immunology-2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="6"/> <input type="text" value="6"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

- (2) Answer all the questions.
- (3) Illustrate your answers with neat diagrams wherever necessary.
- (4) Figures to the **right** indicate full marks.
- 1 Write about any **two** of the following : 14
- (a) Properties of cytokines and cytokine related diseases.
- (b) Properties and function of T-cells.
- (c) Primary lymphoid organs.
- 2 Write brief notes (any **three**) 15
- (a) Blood components
- (b) Anti human globulin test.
- (c) Neutrophils.
- (d) CD nomenclature.
- 3 Describe in detail any **two** of the following : 14
- (a) Various factors involved in agglutination reaction.
- (b) Rh blood group system.
- (c) Cell mediated immunity.

- 4 Draw figure and explain in detail : (any two) 12
- (a) Ig G Immunoglobulin
  - (b) Alternate pathway of complement
  - (c) Phagocytosis.
- 5 Write principle and application of any **three** of the following " Immunoassays" : 15
- (a) Immuno fluorescence
  - (b) chemiluminescence
  - (c) RIA
  - (d) ELISA.
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