

**SECOND SEMESTER M.Sc. (MICROBIOLOGY) DEGREE  
EXAMINATION, JULY 2009****MB 2.2 T – IMMUNOLOGY**

(2005 Admissions)

Maximum : 80 Marks

Time : Three Hours

**Section A***Write about or answer **all** the questions each in 2 or 3 sentences.*

1. Monoclonal Antibodies.
2. IgA.
3. Immunological tolerance.
4. Passive agglutination.
5. MHC restriction.
6. Anaphylaxis.
7. Rheumatoid arthritis.
8. Hapten.
9. Lymph node.
10. Secondary immune response.
11. Epitope.
12. Electroimmunodiffusion.
13. Plasma cells.
14. Lymphokines.
15. Widal test.
16. T-dependant antigens.
17. Macrophages.
18. Mitogens.
19. Haemagglutination Inhibition.
20. Complement.

(20 x 2 = 40 marks)

**Turn over**

**Section B**

*Write notes on or discuss any **five** of the following.*

1. Autoimmune diseases.
2. Cells and organs of immuno system.
3. Structure of immunoglobulins.
4. Humoral immune response.
5. Precipitation reactions.
6. Hypersensitivity.
7. Transplantation immunology.

(5 x 8 = 40 mark