

M.Sc. (Microbiology) Fourth Semester Old
MB4-T015 - Paper-III - Immunology

P. Pages : 1

Time : Three Hours



GUG/W/18/2415

Max. Marks : 80

1. What are Antigen presenting cells? Explain their structure and functions in detail. **16**

OR

Explain thymus dependent humoral immunity in detail.

2. Explain in detail antigenicity determining properties of pathogens. **16**

OR

Explain with suitable example agglutination reactions.

3. Explain Immunological tolerance in detail with suitable examples. **16**

OR

Describe autoimmunity with suitable disorders.

4. Explain immunology of tissue transplant. **16**

OR

What are Oncogenes? Explain Oncogenes in cancer induction.

5. a) Explain structures of MHC-I. **4**
b) Write notes on-Blood group antigens. **4**
c) Explain type-II hypersensitivity reaction with an example. **4**
d) What is immunological surveillance. **4**
