



AF-3551

M.Sc. (Final)

Term End Examination, 2017-18

MICROBIOLOGY

Paper - I

Fundamentals of Immunology

Time : Three Hours] [*Maximum Marks* : 100

[*Minimum Pass Marks* : 36

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. Describe in detail the host-parasite relationship and its consequences.

OR

Differentiate between innate immunity and an acquired immunity. Describe in detail the organs and molecules involved in innate immunity.

(2)

Unit-II

2. Describe in detail the structure, types, properties and functions of antibodies.

OR

Describe in detail the structure, types, properties and functions of antigens.

Unit-III

3. Describe in detail the immunodiffusion assay and its types.

OR

Write short notes on the following :

- (a) Immunofluorescence
- (b) Radioimmunoassay

Unit-IV

4. Write short notes on the following :
- (a) Structure of MHC-I and MHC-II
 - (b) Types of grafts

OR

Describe in detail the autoimmunity, its types along with suitable examples.

(3)

Unit-V

5. Describe in detail antibody dependent cell cytotoxicity.

OR

Describe in detail immune complex mediated reactions.
