

M.Sc.(Biotechnology) (CBCS Pattern) Second Semester CBCS
PSBIT-106 - Immunology and Immunological Techniques Paper - II

P. Pages : 1

Time : Three Hours



GUG/W/18/11192

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Describe acquired immunity in detail with suitable example. 16

OR

a) Differentiate between Innate and Acquired immunity. 8

b) Explain primary organs of immune system. 8

2. Describe the mechanism of cell mediated immunity. 16

OR

Write a note on :

a) TCR's 8

b) Humoral immunity. 8

3. Define Agglutination and explain mechanism and applications of Agglutination reaction. 16

OR

Write a note on :

a) Lattice theory. 8

b) RIA 8

4. Describe Discovery, Principle and significance of vaccination. 16

OR

Write a note on :

a) Autoimmunity. 8

b) Type II hypersensitivity. 8

5. Write a short note on :

a) Antigenicity. 4

b) MHC-I & MHC-II cells. 4

c) Hybridoma technology. 4

d) Type-IV hypersensitivity. 4
