

M.Sc.(Biotechnology) (C.B.C.S. Pattern) Sem-II
PSBIT-106 - Paper-II : Immunology and Immunological Techniques

P. Pages : 1

Time : Three Hours



GUG/S/19/11192

Max. Marks : 80

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

1. Describe the structure and functions of secondary lymphoid organs. **16**

OR

Discuss the various cells involved in immune response. **16**

2. Explain the mechanism of cell mediated immunity. **16**

OR

Describe the followings.

a) Classical pathway of complement system. **8**

b) Antigen presentation. **8**

3. Discuss the mechanism and applications of agglutination reaction. **16**

OR

Describe the followings.

a) ELISA **8**

b) CFT **8**

4. Describe the general features and mechanism of type - I Hypersensitivity. **16**

OR

Write note on followings.

a) Grave. s disease **8**

b) Autoimmunity. **8**

5. Write short note on followings.

a) Structure of Ig M. **4**

b) MHC - I molecules. **4**

c) RIA **4**

d) Significance of vaccination **4**
