**Sardar Bhagwan Singh University, Balawala, Dehradun, UK**

Week 4: Question Bank Course: M.Sc., Microbiology/Biotechnology

Semester II Subject: Immunology Course Code: BIOC-521

Subject teacher: Dr. S. K. KARN

1. Which of the following immune cells/molecules are most effective at destroying intracellular pathogens?  
   a. T helper cells  
   b. B cells  
   c. Antibodies  
   d. Complement  
   e. T cytolytic cells
2. A living microbe with reduced virulence that is used for vaccination is considered:  
   a. A toxoid  
   b. Dormant  
   c. Virulent  
   d. Attenuated  
   e. Denatured
3. B cells that produce and release large amounts of antibody are called:  
   a. Memory cells  
   b. Basophils  
   c. Plasma cells  
   d. Killer cells  
   e. Neutrophils
4. The specificity of an antibody is due to  
   a. its valence  
   b. The heavy chains  
   c. The Fc portion of the molecule  
   d. The variable portion of the heavy and light chain
5. In agglutination reactions, the antigen is a………  
   in precipitation reactions, the antigen is a……………  
   a. whole cell/soluble molecule  
   b. Soluble molecule/whole cell  
   c. Bacterium/virus  
   d. Protein/carbohydrates  
   e. Protein/Antibody
6. Explain Autoimmunity disorder with suitable example.
7. Write note on hypersensitivity.
8. Describe the mechanism of Cell mediated hypersensitivity.
9. Explain systemic and local disease.
10. Explain [Myasthenia gravis](https://www.webmd.com/brain/understanding-myasthenia-gravis-basics).