

**M.Sc. [Medical Biochemistry]**

(BF/2023/12)

**Immuno Chemistry**

[Paper - II]

**M.M. : 100**

**Time : 3 Hours**

- Note:** 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*  
4.) *Illustrate your answers with suitable diagrams.*

1. Write notes on: [5×2=10]  
a) DNA Vaccine  
b) Graft versus host disease
2. Explain immunology of HIV infection [10]
3. Explain how tumor cells evade self immune system. [10]
4. Discuss the role of complement pathway in cell lysis. [10]
5. Write briefly: [5×2=10]  
a) ADCC  
b) IgA
6. Discuss mechanism for development of autoimmunity. [10]
7. Discuss the technique for monoclonal antibody production. Add a note on application of monoclonal antibodies in medicine. [10]
8. Write short notes: [5×2=10]  
a) Primary and secondary immune response  
b) Innate immunity versus Adaptive immunity
9. Discuss in detail the mechanism of Antigen processing and presentation. [10]
10. Discuss in detail the mechanism of phagocytosis. [10]

-----