



21101939

**QP CODE: 21101939**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) EXAMINATION, AUGUST 2021**

**Third Semester**

B.Sc Biotechnology Model III

**CORE COURSE - BT3CRT06 - BASIC IMMUNOLOGY**

2017 Admission Onwards

96638689

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Definition of Immunology.
2. What are anatomic barriers of innate immunity?
3. What is immunogenicity?
4. What are primary immune organs?
5. What is CALT ?
6. What is phagocytosis?
7. Factors that affect lattice formation .
8. Mention two enzymes used in ELISA technique.
9. What is HVG?
10. Rhogam
11. BCG
12. HAT medium

(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Explain about types of immunity.
14. Functions of IgD.
15. Which type of immunity is active , when we attacked by tumor cells ? Explain about it .
16. What is IDDM ? Explain about it
17. Which type of hypersensitivity is responsible for hemolytic disease in new born babies? Explain about it.
18. Distinguish affinity and avidity.
19. Alternate pathway of complement fixation.
20. Human Blood groups.
21. What are the types of immunization?

(6×5=30)

### **Part C**

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. What is specific immunity and its characteristics?
23. Explain about organs specific auto immune diseases.
24. Explain agglutination reactions and examples for it.
25. Write an essay on the production of monoclonal antibodies and its applications.

(2×10=20)

