



**QP CODE: 21100464**

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

**Name** : .....

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

**Third Semester**

B.Sc Biotechnology Model III

**Core Course - BT3CRT06 - BASIC IMMUNOLOGY**

2017 Admission Onwards

8E707DEE

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

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

1. What is variolation?
2. What are the different types of Immunity?
3. Why acquired immunity is specific?
4. What is immune response?
5. Diseases involved in organ specific auto immunity.
6. What is hypersensitivity?
7. Agglutinins.
8. Mention two enzymes used in ELISA technique.
9. What is isograft?
10. What is malignancy?
11. Passive immunization
12. Attenuated vaccine

(10×1=10)

**Part B**

*Answer any **six** questions.*

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





13. Explain about inflammatory barrier.
14. What are the different types of immunoglobulin expressed as monomer?
15. Which organ produce B cell? Explain about its structure and function.
16. Give structure of lymph nodes and its importance in providing immunity.
17. What is cytotoxic activity?
18. What are the characteristics of antigen antibody reactions?
19. What is precipitation reaction? Give two examples for it.
20. Immunohaematology.
21. Hybridoma technology.

(6×5=30)

### **Part C**

*Answer any two questions.*

*Each question carries 10 marks.*

22. What is immunogenicity? Factors that affect immunogenicity.
23. Explain systemic auto immune disease with the help of diagrams.
24. Explain different pathways of complement fixation.
25. Give an account of polyclonal and monoclonal antibodies.

(2×10=20)

