



24026905

QP CODE: 24026905

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, OCTOBER 2024**

Third Semester

B.Sc Bioinformatics Model III

**COMPLEMENTARY COURSE - BI3CMT06 - IMMUNOLOGY &
IMMUNOTECHNOLOGY**

2017 Admission Onwards

E959196E

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define immunity.
2. Define infection.
3. Define natural immunity.
4. Mention the role of bone marrow.
5. Define antigen.
6. What are the factors affecting immunogenicity?
7. Define agglutination reaction.
8. Comment on CFT.
9. What is immunofluorescence?
10. What is RIA?
11. Define autoimmunity.
12. What is blood transfusion?

(10×2=20)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain the features of cells involved in immune system.
14. Give an account on structure and function of IgA.
15. Comment on MHC.
16. Write the mechanism involved in humoral immune response.
17. Explain the activation of complement system.
18. Comment on Type III reaction.
19. Give a brief account on organ specific autoimmune diseases with examples.
20. Comment on Hemolytic disease of new born.
21. Explain the mechanism involved in allograft rejection.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain about Monoclonal Antibodies. Point out their application.
23. Explain in detail about Cell mediated Immune response.
24. Explain in detail about Antigen - Antibody reaction.
25. Write an essay on Vaccine . Explain their applications.

(2×15=30)

