



24019267

QP CODE: 24019267

Reg No :

Name :

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

Second Semester

B.Sc Microbiology Model III

Core Course - MB2CRT03 - IMMUNOLOGY

2017 ADMISSION ONWARDS

FB31832A

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is Variolation?
2. Note on natural active immunity.
3. What are B cells?
4. What is mitogen?
5. Define Idiotope.
6. What is C3/C5 convertase?
7. Explain Class II MHC molecules.
8. What is the difference between primary and secondary immune immune response?
9. What is ADCC?
10. Make a note on clinical manifestation of blood transfusions.
11. What is hypersensitivity?
12. Note on contact dermatitis.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. What are the different sources of infection?
14. What is thymus? Explain its role as a primary lymphoid organ?
15. Explain electroimmunodiffusion in detail.
16. Give an account of Coombs test and its clinical application.
17. Give the principle and mechanism of RIA.
18. What are hybridomas and explain its production?
19. Explain about the elimination of antigen in tissues.
20. Explain allograft reaction.
21. Comment on any two localised autoimmune diseases.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. What is immunity and explain different types of immunity?
23. What is antigen? Explain the determinants of antigenicity.
24. Describe in detail about t cell maturation, activation and differentiation with suitable diagram.
25. Explain medical application of blood group.

(2×15=30)

