



QP CODE: 25022295



Reg No : .....

Name : .....

**M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025**

**Third Semester**

M.Sc ZOOLOGY

**CORE - ZL010304 - IMMUNOLOGY**

2019 ADMISSION ONWARDS

F339E719

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight **1** each.*

1. Give a brief account of Toll Like Receptors.
2. Write note on haptens.
3. Comment on the mechanism of allelic exclusion.
4. Cross reactivity of antibodies creates problems for their application in serology.' Explain the statement.
5. Write a short note on C1 complex.
6. What are interleukins?
7. Comment on anchor residues.
8. What is HLA typing?
9. What is HIV? How does it affect the immune system?
10. What is the difference between generalized and target specific immunosuppressive therapy?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight **2** each.*

11. Write an account on mucosal-associated lymphoid tissues in human.
12. Give an account of hybridoma technology and its clinical applications.
13. Draw and explain precipitin curve for a quantitative precipitation reaction.
14. Describe inflammatory response.
15. Make notes on autoimmune diseases that target specific organs.





16. Describe the strategies used by pathogens to evade the immune system.
17. Differentiate between active and passive immunization.
18. Explain the process involved in sensitization and effector stages of graft rejection.

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. Explain the structural and functional aspects of different classes of antibodies.
20. Write an essay on the biological consequences of complement activation and its deficiencies.
21. Elaborate on types of hypersensitivity.
22. Describe various pathways of antigen processing and presentation.

(2×5=10 weightage)

