QP CODE: 24044702

24044702

Reg No : .....

Name : .....

M.Sc DEGREE (CSS) EXAMINATION, OCTOBER 2024

Third Semester

M.Sc ZOOLOGY

CORE - ZL010304 - IMMUNOLOGY

2019 ADMISSION ONWARDS

A1FD5E57

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Comment on the significance of CDRs.
2. Distinguish between N-addition and P-addition of nucleotides.
3. Discuss why monoclonal antobodies are preferred over polyclonal antibodies for invitro applications.
4. Cross reactivity of antibodies creates problems for their application in serology.' Explain the statement.
5. Explain Immunoelectron microscopy.
6. Differentiate between acute and chronic inflammation.
7. Comment on the role of TAP in Antigen processing and presentation.
8. Comment on Leukocyte Adhesion Deficiency.
9. Comment on multivalent subunit vaccines.
10. What is allograft rejection?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Write notes on T cell and B cell receptors.
12. Comment on the properties of T-Cell Epitopes.
13. Complement system mediates the interface between innate and adaptive immunities'. Explain.
14. Desribe various properties of cytokines.

15. What is a congenic strain with respect to MHC? Explain how these strains help in experimental studies.

16. Describe the interaction of MHC class I molecules with peptides.

17. Make notes on the biological significance of MHC.

18. Describe about immunosuppressive therapy.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Elaborate on B cell activation and differentiation.

20. Elaborate on the regulation of complement system.

21. Elaborate on types of hypersensitivity.

22. Elaborate the immune response during HIV infection.

(2×5=10 weightage)