



QP CODE: 25024556



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, APRIL 2025

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL830402 - BACTERIOLOGY, VIROLOGY AND MYCOLOGY

2019 ADMISSION ONWARDS

27CA2F93

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Mention the role of ingestion as a mode of transmission of infection.
2. How can you prevent the spread of Corona virus?
3. What are the general properties of Staphylococcus?
4. Explain the characteristic properties of Chlamydia.
5. Comment on the clinical manifestations of cholera.
6. Comment on osteomyelitis and its types.
7. Comment on Polyoma virus.
8. What are cyanophages.
9. Discuss on the growth cycle of RNA phages.
10. Define antifungal agents and give few examples.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Describe the process of viral pathogenesis.
12. Describe in detail the pathogenicity and symptoms of Clostridium tetani.
13. Describe briefly the clinical findings of Mycobacterium tuberculosis.
14. Describe briefly the clinical findings of Campylobacter.
15. Give a brief note on rhabdovirus and its vaccines.





16. Discuss on H1N1 viruses.
17. Give a diagrammatic representation of the life cycle of T4 phage.
18. Comment on cutaneous mycoses.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Elaborate on the various stages of microbial pathogenicity.
20. Describe the pathogenesis and laboratory identification of Rickettsiae.
21. Make note on the properties, classification, pathogenesis and laboratory diagnosis of Herpes viruses.
22. Describe in detail the general techniques used in mycology.

(2×5=10 weightage)

