



QP CODE: 26019289



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL830402 - BACTERIOLOGY, VIROLOGY AND MYCOLOGY

2019 Admission Onwards

E8CF4318

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is bacterial communicability and explain the role of other bacterial products in pathogenesis?
2. Mention the role of inhalation as a mode of transmission of infection.
3. List out the characteristic properties of Klebsiella.
4. Comment on Chlamydia.
5. List out few etiological agents of respiratory infections.
6. Mention the types of PUO.
7. Give the structure of Rhabdovirus.
8. Explain "headful mechanism" in T4 phage.
9. Draw a neat structure of RNA phage, label its parts and mention their functions.
10. What are antifungal agents? Give some examples.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. How does a virus cause infection in humans?
12. Explain the pathogenicity and diseases caused by Staphylococcus in humans.
13. What is the pathogenesis and diagnosis caused by Vibrio sp.?





14. What are the medical significances of Listeria?
15. Discuss on the pathogenicity of herpes simplex virus.
16. Make a note orthomyxoviruses.
17. Explain the structure of Cynophages and Mycophages.
18. Give a brief note on the general techniques used in mycology.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Elaborate on the prophylaxis of communicable diseases.
20. Briefly mention the properties of Campylobacter.
21. Comment on the structure, genomic organization, pathogenesis and control of HIV.
22. Elaborate the clinical features and findings of superficial mycosis.

(2×5=10 weightage)

