

QP CODE: 26019293



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL830403 - CLINICAL MICROBIOLOGY

2019 Admission Onwards

6D68F366

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Comment on WHO Safe Code of Practice for a clinical microbiology laboratory.
2. What is the role of autoclave in the sterilization of culture media?
3. Briefly outline the processing of cerebrospinal fluid.
4. How can we collect nasopharyngeal aspirates and ear discharges?
5. Differentiate selective and differential media.
6. Write down the significance of molecular methods in clinical diagnosis.
7. What are the various viral tests done in serology
8. Comment on cutaneous mycoses.
9. Define laboratory animal.
10. What are the different routes of inoculation in guinea pig?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain different biosafety levels in GLP.
12. Explain the role of lyophilization and ultrafreezing in preserving microbes.
13. Write short notes on the collection, transport and processing of urine samples.





14. Explain any three rapid biochemical tests used for detection of pathogens
15. Explain the methods used for viral isolation.
16. Give an account on interferons and their mode of action.
17. Comment on blood concentration methods for parasites.
18. Give an account on the handling of mouse..

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Discuss in detail the different types of pure culture technique.
20. Explain the various serological methods used for the identification of bacteria.
21. Describe the laboratory diagnosis of superficial mycoses.
22. Explain the immunological and molecular diagnostic methods of parasitic infections.

(2×5=10 weightage)

