



QP CODE: 26019285



26019285

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL830401 - GENERAL MICROBIOLOGY AND PARASITOLOGY

2019 Admission Onwards

7386D45F

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Write down the types of microbial classification scheme.
2. What you meant by acid fast staining.
3. What you meant by negative staining?
4. What are the phases of bacterial growth curve?
5. Differentiate between chemostat and turbidostat.
6. What is Phenol coefficient method?
7. What are nuisance organisms?
8. Comment on milk ropiness.
9. Comment on food intoxication.
10. What are the measures to control Leishmaniasis?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Describe the history of Microbiology.
12. Explain the principle and methods of staining.





13. Explain the nutritional requirements of bacteria.
14. Explain the mechanism of action of antimicrobial agents.
15. Explain the methods for measurement of air contamination.
16. Explain Eijkman test and membrane filtration method.
17. Explain the morphology, life cycle and lab diagnosis of *Trypanosoma brucei*.
18. Explain the life cycle, clinical picture and laboratory diagnosis of *Taenia solium*.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write an essay on the characteristic features of viruses.
20. Write an essay on asexual and sexual reproduction of bacteria and fungi.
21. Discuss in detail the microbiology of air.
22. Describe Tsetse fly and sand fly explaining the major diseases they transmit, epidemiology of such diseases, their control and preventive measures.

(2×5=10 weightage)

