



QP CODE: 25050613



25050613

Reg No :

Name :

MSc DEGREE (CSS) EXAMINATION DECEMBER 2025

First Semester

M Sc FOOD AND INDUSTRIAL MICROBIOLOGY

Core Courses - MG020101 - GENERAL MICROBIOLOGY

2019 Admission Onwards

72335C83

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Why are microbiologist's contribution important to science?
2. Comment on the living and non living properties of virus.
3. Define Prions.
4. Comment on protozoan motility.
5. Explain the role of halogens in disinfection.
6. Explain the role of penicillin?
7. What is phototaxis?
8. Explain quadrant streaking.
9. Define bacterial taxonomy.
10. Define REP.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Archaeobacteria survive in extreme environments. Justify.
12. List the functions of bacterial cell membrane.
13. Explain the general properties and classification of fungus.
14. Evaluate the role of alcohol in disinfection.
15. What are the environmental factors influencing microbial growth?





16. Explain any 2 anaerobic culture media and its uses.
17. Explain characteristics of primary domain.
18. Explain phylogenetic analysis.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Define virus. How animal viruses differ from bacteriophages.
20. Define sterilization. Describe sterilization by moist heat.
21. Write an essay on the molecular methods for identifying bacteria.
22. Define Rna. What are the types of prokaryotic RNA? Explain the importance of 16srRNA in microbial identification and taxonomy.

(2×5=10 weightage)

