



QP CODE: 26019106



26019106

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc FOOD AND INDUSTRIAL MICROBIOLOGY

Core Courses - MG020402 - BIostatISTICS AND RESEARCH METHODOLOGY

2019 Admission Onwards

8BD5E253

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is random sampling?
2. Write short notes on Pie diagram.
3. Comment on linear regression.
4. Define regression line.
5. Define Chi-Square test.
6. Explain co-efficient of variation.
7. What are the important methods of data collection in research?
8. Explain research scheme format.
9. What is Graph?
10. What is a PDF file?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain the methods of collection of primary and secondary data.
12. Explain the methods used for data presentation.
13. Explain working procedure of Mode with example.
14. Describe positive and negative correlation.





15. Define Probability and explain the working procedure with equation.
16. Briefly explain agricultural research institutes in India.
17. Explain the general guidelines for scientific writing.
18. Briefly explain the structure and language of technical report.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Define biostatistics. Explain the use and applications of biostatistics.
20. Explain standard deviation and mean deviation.
21. Explain t-test and F-test.
22. Explain Peer Review and Publication Ethics.

(2×5=10 weightage)

