



QP CODE: 25022340



Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc CLINICAL NUTRITION AND DIETETICS

ELECTIVE - HS830302 - FOOD MICROBIOLOGY

2019 ADMISSION ONWARDS

2F41951B

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Explain plate count in measurement of microbes.
2. What are the advantages and limitations of swab test.
3. Explain D- value.
4. Explain contamination of fish and seafoods.
5. Explain contamination of cereals and cereal products.
6. Write a note on biological hazards of viruses and parasites.
7. Give a short note on HACCP.
8. Write a note on Pulse electric field.
9. Write on Bacteriophages.
10. How high pressure preserves food from microbial attack in food industry?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Explain classification of culture media.
12. Explain direct observation of microorganisms.
13. Explain preservation of milk and milk products by the use of additives.
14. Explain spoilage and contamination of fruits and vegetables.
15. Explain types of biological spoilage of canned foods.





16. Write on natural toxins in food and pesticide residues.
17. Write down the classification of bacteriocins.
18. Explain microalgae biomass and agricultural crop biomass residue.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write an essay on classification of culture media and culture techniques.
20. Write an essay on contamination, spoilage and preservation of meat and poultry.
21. Explain spoilage in canned foods, salad dressings, fats and oils.
22. What is biosensors and write down the applications of biosensors?

(2×5=10 weightage)

