



QP CODE: 25047443



25047443

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc FOOD AND INDUSTRIAL MICROBIOLOGY

ELECTIVE - MG830302 - NUTRACEUTICALS

2019 ADMISSION ONWARDS

2DC7B2C6

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Define Probiotics.
2. What are the benefits of enhanced foods?
3. Give the classification of Lactobacillus?
4. What are the established effects of probiotics?
5. Give examples of fermented milk products.
6. Write a short note on Vitamin A.
7. What are SCFA? Explain.
8. What are meat analogs? Explain the use.
9. What are hydrolysable tannins?
10. What are the properties of Lycopene?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Write a short essay on probiotics and its health impacts.
12. Define organic foods.Explain the use of organic foods.
13. Explain the side effects and risks of probiotics
14. Describe non-nutrient effects of specific nutrients.
15. Describe non-nutrient effects of conjugated linolenic acid.





16. What are the advantages of prebiotics over antibiotics and probiotics?
17. Does resistant starch release Glucose in the small intestine? Justify.
18. Classify Phytoestrogens.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write an essay on prebiotics.
20. Write an essay on quality assurance of probiotics and safety.
21. How can prebiotics modulate the intestinal microbiota in infants, adults and elderly?
22. Write an essay on antinutrients.

(2×5=10 weightage)

