

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with A+ Grade by NAAC)
Chromepet, Chennai — 600 044.

M.Sc. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20PNDCT3009 - Food Microbiology

Total Duration : 3 Hrs		Total Marks : 75
MCQ	: 30 Mins	MCQ : 15
Descriptive	: 2 Hrs.30 Mins	Descriptive : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Brief the general characteristics of bacteria.
2. Discuss about the Economic importance of yeast.
3. Define fermentation. Different types of starter cultures used for fermentation.
4. Illustrate the different methods used in microbial examination of foods.
5. Discuss the spoilage of milk and milk products.
6. Explain the importance and principles of food preservation.
7. List the steps involved in canning of foods. Explain spoilage of canned foods.
8. Write short notes on Salmonellosis.

Section C

Part A

Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Describe the different factors affecting growth of microorganisms in food.
10. Why sampling analysis of food is important? Enumerate the steps involved in microbial analysis of food.
11. Discuss about any Three common food borne diseases-Causes, Symptoms and Prevention.
12. Explain briefly on beneficial uses of microorganisms in food.

Part B

Compulsory question ($1 \times 10 = 10$ Marks)

13. Define food preservation. Explain the different methods of food preservation in detail.