



Centre for Nutrition and Dietetics
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi-110062

Roll No.

END SEM EXAMINATION
M.Sc. Nutrition and Dietetics 1st Sem, December, 2025
Paper Title: **Food Microbiology**; Paper Code: MDNCC-103

*MSc. Nutrition
& Dietetics
1st Sem.
12-12-25.*

Time allotted: 2.5 Hrs.

Max Marks: 60

*Important: At the END, mention how many questions from each section you have attempted.
Note: Write to the point. Do not insert margins in the answer sheet. Before answering make sure you have mentioned the Question No. & Section.*

Section-A (2 Marks each, Attempt All)

<u>Questions</u>		<u>Mapping</u>
Q1.	Write in brief importance of micro-organism in foods	PO:2,3/CO:1
Q2.	Write briefly about factors that make a food unacceptable	PO:2,3/CO:2
Q3.	Write the sequence of events in food spoilage with chemical changes happened in food	PO:2,3/CO:3
Q4.	State WHO's Golden rule for safe food production.	PO:2,3/CO:4
Q5.	What is food borne diseases	PO:2,3/CO:5

Section- B (Attempt any 5) (5 Marks Each)

Q6.	Explain in detail spoilage in Milk including milk products	PO:2,3/CO:3
Q7.	Write a detailed note on Probiotics with its mechanism of action	PO:2,3/CO:3
Q8.	What are different types of spoilage in canned food products	PO:2,3/CO:3
Q9.	Explain different vegetable base fermented products	PO:2,3/CO:2
Q10.	Briefly describe different types of non-thermal preservation techniques	PO:2,3/CO:3
Q11.	Explain in detail manufacturing of Cheddar cheese	PO:2,3/CO:4
Q 12.	Explain development of SCP its application and production process	PO:2,3/CO:3

Section C (Attempt any 2) (12.5 Marks Each)

Q 13.	Explain the factors affecting growth of micro-organism in foods	PO:2,3 /CO:1
Q14.	Explain in detail spoilage in different food groups	PO:2,3 /CO:2
Q15.	What is the non-bacterial food borne disease causing agents? List the food-borne parasites. What are the symptoms of the disease cause by them?	PO:2,3 /CO:3
Q16.	Explain in detail different methods for food preservation	PO:2,3 /CO:4