

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-26	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 101	Course Name: Applied Physiology

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Define cell membrane and its role in transport.	2	1, 3, 5	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What is the role of neurotransmitters in nerve impulse conduction?	2	1, 5	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	Name any three endocrine glands and their primary functions.	2	5	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What is the role of the skin in perception?	2	1, 5	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is the role of the pancreas in digestion?	2	5	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	How is oxygen transported in the body?	2	1,5	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Explain the process of blood clotting and hemostasis.	6	1, 5	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Explain the process of urine formation and	6	1, 5	Analyzing &

	the role of the kidneys in homeostasis.			understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Discuss the structure and function of the skeletal system and connective tissues.	6	1, 3, 4, 5	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 102	Course Name: Advanced Nutritional Biochemistry

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What are glycoproteins and how are they classified?	2	2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What are the key functions of plasma proteins?	2	1, 2, 5	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What is glycolysis and its significance in metabolism?	2	1	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	How are purines synthesized in the body?	2	1, 3, 5	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is DNA replication?	2	1, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is the mechanism of hormone action?	2	1	Remembering & understanding
SECTION- B				6*3=18 marks

	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss the biological role of trace elements in human nutrition.	6	1, 2	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Explain the processes of detoxification in the body and the role of the liver.	6	1, 3	Analyzing & understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Discuss the major alterations in carbohydrate metabolism in diseases like diabetes.	6	1, 2	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj				
Session: 2025-2026			Max. Marks: 30	
Program Name: MFN				
Course Code: MFN 103			Course Name: Advances in Food Microbiology	
SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Define the term "food infection" in microbiology.	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What are the primary sources of microorganisms in food?	2	1	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What are intrinsic factors affecting microbial growth in food?	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Define the principle of PCR in detecting foodborne pathogens.	2	3	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	Define spoilage in milk and milk products.	2	1, 2	Remembering & understanding

	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is freeze-drying, and how does it preserve food?	2	3, 4	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Describe the impact of mycotoxins on food safety and human health.	6	2, 3	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Discuss the role of microbiological criteria in ensuring food safety and quality.	6	1, 2, 3	Analyzing & understanding
	UNIT 1 Long answer type question (approx. 500-800 words)			
9.	Describe the evolution of understanding foodborne infections and their control.	6	3	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj				
Session: 2025-2026			Max. Marks: 30	
Program Name: MFN				
Course Code: MFNBR 01			Course Name: Basics in Research Course	
SECTION- A				2*6=12 marks
Q. No.	Topic 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What is the primary purpose of conducting a literature review?	2	1, 3	Remembering & understanding
	Topic 1 Short answer type question (approx. 200-300 words)			
2.	What are journal abbreviations, and why are they important?	2	1, 2	Remembering & understanding
	Topic 1 Short answer type question (approx. 200-300 words)			
3.	Define the term "Impact Factor" and its significance in research.	2	5	Remembering & understanding
	Topic 2 Short answer type question (approx. 200-300 words)			
4.	What are the key principles of Good Laboratory Practices (GLP)?	2	5	Remembering & understanding

	Topic 2 5 Short answer type question (approx. 200-300 words)			
5.	Define research ethics and its importance in scientific research.	2	5	Remembering & understanding
	Topic 2 Short answer type question (approx. 200-300 words)			
6.	What is the difference between patents and copyrights?	2	5	Remembering & understanding
SECTION- B				6*3=18 marks
	Topic 1 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss the importance of reviewing literature before starting a research project. How does it aid in shaping research direction?	6	1, 2, 3	Analyzing & understanding
	Topic 2 Long answer type question (approx. 500-800 words)			
8.	Discuss the role of regulatory bodies in ensuring ethical practices and compliance in food and nutrition research.	6	5	Analyzing & understanding
	Topic 2 Long answer type question (approx. 500-800 words)			
9.	How do patents, copyrights, and trademarks differ, and what is their role in protecting intellectual property in research?	6	1, 3, 5	Analyzing & understanding

Uttar Pradesh Rajarshi Tandon Open University, Prayagraj

Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 105	Course Name: Food Science and Experimental Cookery

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What is the significance of food science as a discipline?	2	1	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What are the key constituents of food?	2	1, 2	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	Define colloidal salts and their role in food dispersions.	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What is non-enzymatic browning, and where is it used in food?	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What factors affect flour quality?	2	1, 2, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What are fat substitutes, and how are they used in food?	2	1, 2, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Describe the Maillard reaction as a form of non-enzymatic browning and its applications in food science.	6	1, 2	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			

8.	Discuss the nature of enzymes and their role in food processing and preservation.	6	1, 2, 3	Analyzing & understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Explain the effects of processing and storage on the physical and chemical properties of milk.	6	1, 2, 3	Analyzing & understanding

Uttar Pradesh Rajarshi Tandon Open University, Prayagraj

Session: 2025-2026		Max. Marks: 30		
Program Name: MFN				
Course Code: MFN 106		Course Name: Advance Clinical and Therapeutic Nutrition		
SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What clinical data is important for assessing the nutritional status of a hospitalized patient?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What are the key elements of effective dietary counseling?	2	2, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	How can drug absorption be affected by nutrient intake?	2	2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What role does enteral feeding play in providing nutritional support?	2	1, 2, 3	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	How does diet influence cardiovascular disorders?	2	1, 2, 3	Remembering & understanding

	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What are inborn errors of metabolism, and how are they diagnosed?	2	1, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 1 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Explain the interrelationship between the food industry and allied industries.	6	1, 2, 3	Analyzing & understanding
	UNIT 2 Long answer type question (approx. 500-800 words)			
8.	Explain how new trends in nutritional care delivery have impacted the management of chronic diseases.	6	1, 2, 3	Analyzing & understanding
	UNIT 3 Long answer type question (approx. 500-800 words)			
9.	Explain the mechanisms by which drugs can influence the absorption and metabolism of nutrients.	6	1, 2, 3	Analyzing & understanding

Uttar Pradesh Rajarshi Tandon Open University, Prayagraj

Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 107	Course Name: Bio Statistics

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What is the significance of selecting a research problem?	2	1, 5	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What is simple random sampling? Give an example.	2	1, 2, 5	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			

3.	What is conditional probability? Provide an example.	2	1, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	How is the fertility rate measured in demographic studies?	2	1, 3	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is a null hypothesis, and how is it formulated?	2	1, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is covariance, and why is it important in biostatistics?	2	1	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 6 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	How is covariance used in biostatistical studies, and how does it affect the interpretation of results? Provide examples of its application in health research.	6	1, 4, 5	Analyzing & understanding
	UNIT 5 Long answer type question (approx. 500-800 words)			
8.	Discuss the steps involved in hypothesis testing. How do chi-square, t-tests, and z-tests contribute to making decisions in research?	6	1, 4, 5	Analyzing & understanding
	UNIT 4 Long answer type question (approx. 500-800 words)			
9.	Explain the measures of fertility, mortality, and morbidity in demographic studies. Provide real-world examples to illustrate their importance.?	6	1, 4, 5	Analyzing & understanding

SECTION- A	2*6=12 marks
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U.P. Rajarshi Tandon Open University, Prayagraj				
Session: 2025-2026			Max. Marks: 30	
Program Name: MFN				
Course Code: MFN 109			Course Name: Advance Community Nutrition	
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	How does community nutrition contribute to public health?	2	1	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	How does post-harvest handling impact food consumption?	2	1, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	Define protein-energy malnutrition (PEM) and its effects on public health.	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Briefly describe the Midday Meal Programme and its significance.	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is food adulteration, and how does it affect public health?	2	1,2	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	How do nutrition policies affect the health outcomes of undernourished populations?	2	1, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss the importance of nutritional assessment as a tool for improving the quality of life in various segments of the population.	6	1, 2	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			

8.	Discuss the various methodologies used to assess nutritional status, such as food consumption surveys, clinical evaluations, and functional indicators.	6	1, 2	Analyzing & understanding
UNIT 9 Long answer type question (approx. 500-800 words)				
9.	Discuss the concept of nutritional surveillance and its importance in monitoring and evaluating the nutritional status of communities.	6	1, 2, 3	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 110	Course Name: Advance Nutrition

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What is Basal Metabolic Rate (BMR)?	2	1	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	Explain the concept of the glycemic index of foods.	2	1, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	Define protein quality.	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What are essential fatty acids (EFAs)??	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is osmolality?	2	1,2	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is bioavailability in the context of minerals?	2	1, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Describe the physiological and therapeutic effects of B-complex vitamins.	6	1, 2	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Discuss the role of nutritional regulation of gene expression.	6	1, 2	Analyzing & understanding

	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Discuss the nutritional management required for individuals in high-altitude environments.	6	1, 2, 3	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFNRT 03N	Course Name: Research Tools and Practices

SECTION- A				2*6=12 marks
Q. No.	TOPIC 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Define different uses of MS office.	2	1, 2	Remembering & understanding
	TOPIC 1 Short answer type question (approx. 200-300 words)			
2.	How can you import data from external sources, such as databases or websites, into Excel?	2	1, 2	Remembering & understanding
	TOPIC 1 Short answer type question (approx. 200-300 words)			
3.	What is powerpoint?	2	1, 2	Remembering & understanding
	TOPIC 3 Short answer type question (approx. 200-300 words)			
4.	Describe EndNote.	2	1, 4, 5	Remembering & understanding
	TOPIC 2 Short answer type question (approx. 200-300 words)			
5.	What is SPSS?	2	1, 3	Remembering & understanding
	TOPIC 1 Short answer type question (approx. 200-300 words)			
6.	How do you create a new worksheet in Excel?	2	1, 2	Remembering & understanding
SECTION- B				6*3=18 marks
	TOPIC 2 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	What are the various forms of plagiarism, ranging from verbatim copying to paraphrasing, and how do they differ in terms of ethical and academic implications?	6	1, 3	Analyzing & understanding
	TOPIC 2 Long answer type question (approx. 500-800 words)			

8.	Can you elaborate on the consequences of plagiarism?	6	1, 3	Analyzing & understanding
	TOPIC 3 Long answer type question (approx. 500-800 words)			
9.	How does Mendeley software streamline the process of academic research, from organizing references and citations to facilitating collaboration among researchers?	6	1, 4, 5	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 113	Course Name: Food Processing and Preservation Technology

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Why is storage important in food processing?	2	1	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What is the significance of water activity in food safety?	2	1, 2	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What role does salt play in food preservation?	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Describe the malting process of barley.	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What physiological changes occur during the ripening of fruits?	2	1, 2, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is pasteurization, and why is it important?	2	1, 2	Remembering & understanding

SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss the chemical changes that occur during the processing of meats and their effects on quality.	6	1, 2, 3	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Discuss the various categories of food additives and their functions in food preservation and quality enhancement.	6	1, 2, 3	Analyzing & understanding
	UNIT 10 Long answer type question (approx. 500-800 words)			
9.	Discuss the fermentation technology used in producing various milk products and their health benefits.	6	1, 2, 3	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 114	Course: Nutritional Management in Health and Diseases

SECTION- A				2*6=12 marks
Q. No.	UNIT 4 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Discuss the role of antioxidants and omega-3 fatty acids in promoting cognitive health in older adults	2	1, 2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	What dietary recommendations are important for the elderly?	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
3.	What are the challenges associated with fad diets, and why are they often ineffective in the long term?	2	1, 2, 3	Remembering & understanding
	UNIT 7 Short answer type question (approx. 200-300 words)			
4.	How does malnutrition affect health, and what are the signs of malnutrition?	2	1, 2, 3	Remembering & understanding
	UNIT 9 Short answer type question (approx. 200-300 words)			

5.	Describe the nutritional considerations for individuals with food allergies or intolerances.	2	1, 2, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What dietary recommendations for Constipation?	2	1, 2,3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 2 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	How does the body use carbohydrates, fats, and proteins for energy and growth?	6	2, 3	Analyzing & understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
8.	What role does vitamin D play in bone health, and how can deficiencies be prevented through diet	6	2, 3	Analyzing & understanding
	UNIT 3 Long answer type question (approx. 500-800 words)			
9.	What are the Factors affecting meal planning?	6	1	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 115	Course Name: Nutrition Policies and Intervention of Programs

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	How does food security relate to nutrition security?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	Describe the formative evaluation approach.	2	1, 2, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What are the prerequisites for effective program planning?	2	1, 2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What is the role of training in program implementation?	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	Define inter-sectoral linkages in the context of program implementation.	2	1, 2	Remembering & understanding
	UNIT 6 Short answer type question			

	(approx. 200-300 words)			
6.	What are the factors affecting food availability in urban and rural areas?	2	1, 2, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss the factors leading to the current nutritional problems in India and the need for policy intervention.	6	1, 2, 3, 4	Analyzing & understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Discuss the existing policies in India related to agriculture, food, and health and their impact on nutritional status.	6	1, 2, 3	Analyzing & understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Discuss the roles and responsibilities of central and state nodal ministries in formulating and implementing nutrition policies.	6	1, 2, 3, 4	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 117	Course Name: Food Safety and Quality Control

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Define the concept of quality control in the food industry.	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	Define HACCP and its role in food safety assurance.	2	1, 2	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What are quality costs, and why are they significant in the food industry?	2	1, 2, 3	Remembering & understanding

	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What are food specifications, and why are they important?	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What are common quality parameters used to test for adulterants?	2	1, 2	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	How do food labeling regulations contribute to consumer protection?	2	1, 2, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 5 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Evaluate the impact of food additives on product quality and safety, including methods for testing their presence	6	1, 2	Analyzing & understanding
	UNIT 4 Long answer type question (approx. 500-800 words)			
8.	Discuss the steps involved in product evaluation and their importance in ensuring food quality.	6	1, 2	Analyzing & understanding
	UNIT 3 Long answer type question (approx. 500-800 words)			
9.	Discuss the various categories of quality costs and their implications for food businesses.	6	1, 2, 3	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 118	Course Name: Institutional Food Administration

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What are the key characteristics of different types of food service units?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	Define the term "management styles" in the context of food service administration.	2	1, 2	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What is a conceptual strategy in food service planning?	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Define menu planning and its significance in food service management.	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
5.	What is techno-economic feasibility in the context of food service enterprises?	2	1, 2	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is food cost analysis, and why is it important?	2	1, 2	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 7 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Discuss various marketing strategies	6	1, 2, 3	Analyzing &

	employed in the food service industry and their impact on sales performance.			understanding
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Discuss the principles of quality assurance in the food service industry and their relevance to consumer satisfaction.	6	1, 2, 3, 4	Analyzing & understanding
	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Discuss the advantages and challenges of using computer-aided systems for record maintenance in food service management.	6	1, 2, 4	Analyzing & understanding

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2025-2026	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 119	Course Name: Nutrition in Emergencies and Disasters

SECTION- A				2*6=12 marks
Q. No.	UNIT 1 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	What factors lead to emergency situations during a cyclone?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What is the primary cause of malnutrition in emergency situations?	2	1, 2, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	What is the role of immunization in controlling communicable diseases in emergencies?	2	1, 2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What is MUAC, and how is it used in emergency nutrition assessments?	2	1, 2	Remembering & understanding
	UNIT 5 Short answer type question			

	(approx. 200-300 words)			
5.	What is the importance of targeting food aid in emergency situations?	2	1, 2, 3	Remembering & understanding
	UNIT 1 Short answer type question (approx. 200-300 words)			
6.	Name two man-made disasters that can result in emergency situations.	2	1, 2	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 2 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Explain how emergencies exacerbate malnutrition in vulnerable groups.	6	1, 2, 3	Analyzing & understanding
	UNIT 3 Long answer type question (approx. 500-800 words)			
8.	Explain the role of sanitation in preventing disease outbreaks in emergency situations.	6	1, 2	Analyzing & understanding
	UNIT 5 Long answer type question (approx. 500-800 words)			
9.	Discuss the strategies involved in food distribution during emergency situations, focusing on reaching vulnerable groups.	6	1, 2, 3	Analyzing & understanding