

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2023-2024	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: 2024-2025	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: 2024-2025	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: 2024-2025	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: 2024-2025	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: 2024-2025	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: 2024-2025	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	6	1, 4, 5	Analyzing & understanding

	interpretation of results? Provide examples of its application in health research.			
	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

U.P. Rajarshi Tandon Open University, Prayagraj	
Session: 2024-2025	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 109	Course Name: Advance Community Nutrition

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 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: 2024-2025	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	Marks	Mapped	Category

	(approx. 500-800 words)		CO	
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: 2024-2025	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	Marks	Mapped	Category

	(approx. 500-800 words)		CO	
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: 2024-2025	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	6	1, 2, 3	Analyzing &

	additives and their functions in food preservation and quality enhancement.			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: 2024-2025	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: 2024-2025	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: 2024-2025	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: 2024-2025	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: 2024-2025	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