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 8 Short answer type question (approx. 200-300 words)**	**Marks**	**Mapped CO**	**Category**
1.	Explain urine formation.	**2**	1, 3, 5	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
2.	Explain role of liver in the body.	**2**	1, 5	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
3.	What is CSF?	**2**	5	**Remembering & understanding**
	UNIT 1 Short answer type question (approx. 200-300 words)			
4.	Briefly describe regulation of cell multiplication.	**2**	1, 5	**Remembering & understanding**
	UNIT 11 Short answer type question (approx. 200-300 words)			
5.	What is spermatogenesis?	**2**	5	**Remembering & understanding**
	UNIT 10 Short answer type question (approx. 200-300 words)			
6.	Define antigen and antibody	**2**	1,5	**Remembering & understanding**
	SECTION- B			6*3=18 marks
	UNIT 3 Long answer type question (approx. 500-800 words)	**Marks**	**Mapped CO**	**Category**
7.	Discuss the major endocrine glands and the hormones they secrete. Describe the functions of these hormones and their effects on target organs and body processes.	**6**	1, 5	**Analyzing & understanding**
	UNIT 4 Long answer type question (approx. 500-800 words)			
8.	Describe the structure and function of the major sense organs in the human body.	**6**	1, 5	**Analyzing & understanding**

	UNIT 7 Long answer type question (approx. 500-800 words)			
9.	Describe role of kidney in maintaining pH of blood.	**6**	1, 3, 4, 5	**Analyzing & understanding**

Session: 2023-2024	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 102	**Course Name: Advanced Nutritional Biochemistry**

SECTION- A				2*6=12 marks
Q. No.	**UNIT 3 Short answer type question (approx. 200-300 words)**	**Marks**	**Mapped CO**	**Category**
1.	Explain glycolysis and gluconeogenesis	**2**	2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	What is purine?	**2**	1, 2, 5	**Remembering & understanding**
	UNIT 9 Short answer type question (approx. 200-300 words)			
3.	Describe the relationship between carbohydrate metabolism and cardiovascular diseases, particularly atherosclerosis?	**2**	1	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
4.	What is the primary purpose of DNA repair systems in cells?	**2**	1, 3, 5	**Remembering & understanding**
	UNIT 1 Short answer type question (approx. 200-300 words)			
5.	What role do enzymes play in breaking down foreign compounds during metabolism?	**2**	1, 3	**Remembering & understanding**
	UNIT 3 Short answer type question (approx. 200-300 words)			
6.	Define cholesterol.	**2**	1	**Remembering & understanding**
SECTION- B				6*3=18 marks
	UNIT 2 Long answer type question (approx. 500-800 words)	**Marks**	**Mapped CO**	**Category**
7.	What are plasma proteins, and how do they contribute to the structure and function of blood plasma?	**6**	1, 2	**Analyzing & understanding**
	UNIT 7 Long answer type question (approx. 500-800 words)			

8.	Explain the role of iron, manganese, and copper in facilitating redox reactions and electron transfer within cells.	6	1, 3	**Analyzing & understanding**
	UNIT 6 Long answer type question (approx. 500-800 words)			
9.	Describe the process of negative feedback in hormone regulation. How does it help maintain homeostasis and prevent overstimulation of target cells?	6	1, 2	**Analyzing & understanding**

Session: 2023-2024	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.	Name five food items in which spoilage occur due to salmonella group.	2	1, 2	**Remembering & understanding**
	UNIT 8 Short answer type question (approx. 200-300 words)			
2.	Define FSSAI.	2	1	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
3.	Define bacteria and their types.	2	1, 2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Define ELISA and ATP measurement.	2	3	**Remembering & understanding**
	UNIT 7 Short answer type question (approx. 200-300 words)			
5.	Name three viral food borne diseases and briefly explain them.	2	1, 2	**Remembering & understanding**
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	What is high pressure processing?	2	3, 4	**Remembering & understanding**
SECTION- B				6*3=18 marks
	UNIT 3 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	Define intrinsic and extrinsic parameters that affect microbial growth.	6	2, 3	**Analyzing & understanding**
	UNIT 6 Long answer type question (approx. 500-800 words)			
8.	Why is food preservation crucial? Discuss the significance of food preservation in terms of preventing food borne illnesses.	6	1, 2, 3	**Analyzing & understanding**

	UNIT 9 Long answer type question (approx. 500-800 words)			
9.	Describe HACCP system.	**6**	3	**Analyzing & understanding**

Session: 2023-2024	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 primary, secondary and tertiary sources?	2	1, 3	Remembering & understanding
	Topic 1 Short answer type question (approx. 200-300 words)			
2.	Define E- Journals and E- Books.	2	1, 2	Remembering & understanding
	Topic 2 Short answer type question (approx. 200-300 words)			
3.	Define GI and trademark.	2	5	Remembering & understanding
	Topic 2 Short answer type question (approx. 200-300 words)			
4.	What is copyright?	2	5	Remembering & understanding
	Topic 2 5 Short answer type question (approx. 200-300 words)			
5.	Name some regulatory bodies of research ethics	2	5	Remembering & understanding
	Topic 2 Short answer type question (approx. 200-300 words)			
6.	Define the process of filing patent.	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.	Why is it essential for researchers to conduct a thorough review of existing literature before embarking on their own research projects	6	1, 2, 3	Analyzing & understanding
	Topic 2 Long answer type question (approx. 500-800 words)			
8.	What are the fundamental principles of research ethics, and why are they essential for maintaining	6	5	Analyzing & understanding

	the integrity and credibility of scientific investigations?			
	Topic 1 Long answer type question (approx. 500-800 words)			
9.	Define some search engines.	**6**	1, 3, 5	**Analyzing & understanding**

Session: 2023-2024	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 12 Short answer type question (approx. 200-300 words)**	**Marks**	**Mapped CO**	**Category**
1.	Explain the importance of nitrogen-fixing ability in legumes.	**2**	1	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	What is Millard reaction?	**2**	1, 2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
3.	Water activity.	**2**	1, 2	**Remembering & understanding**
	UNIT 8 Short answer type question (approx. 200-300 words)			
4.	What is nature of enzymes?	**2**	1, 2	**Remembering & understanding**
	UNIT 10 Short answer type question (approx. 200-300 words)			
5.	Name some properties of eggs.	**2**	1, 2, 3	**Remembering & understanding**
	UNIT 14 Short answer type question (approx. 200-300 words)			
6.	Explain the purpose of food preservation methods canning and drying.	**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.	Explain physical, chemical and functional properties of food.	**6**	1, 2	**Analyzing & understanding**
	UNIT 5 Long answer type question (approx. 500-800 words)			
8.	Describe wheat structure and composition.	**6**	1, 2, 3	**Analyzing & understanding**
	UNIT 9 Long answer type question			

	(approx. 500-800 words)			
9.	Explain milk's physical and functional properties.	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024	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 5 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	How we can manage sarcopenia?	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	What is the difference between enteral and parenteral nutrition methods?	2	2, 3	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
3.	Explain the concept of personalized nutrition and its role in tailoring dietary advice to individual needs.	2	2, 3	Remembering & understanding
	UNIT 5 Short answer type question (approx. 200-300 words)			
4.	What are the clinical consequences of weight imbalances?	2	1, 2, 3	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
5.	What role does medical nutritional management play in immune deficiency and genetic disorders?	2	1, 2, 3	Remembering & understanding
	UNIT 1 Short answer type question (approx. 200-300 words)			
6.	Define BMI and BMR	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 how anthropometric measurements play a role in assessing nutritional status.	6	1, 2, 3	Analyzing & understanding
	UNIT 6 Long answer type question (approx. 500-800 words)			
8.	Discuss the importance of a specialized diet in the management of specific inborn errors of metabolism. Provide examples of dietary	6	1, 2, 3	Analyzing & understanding

	approaches for disorders like phenylketonuria (PKU), maple syrup urine disease (MSUD), and galactosemia			
	UNIT 5 Long answer type question (approx. 500-800 words)			
9.	Explain nutritional management of diabetes mellitus.	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024		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.	Name three measures of central tendency	2	1, 5	**Remembering & understanding**
	UNIT 3 Short answer type question (approx. 200-300 words)			
2.	What is the probability density function (PDF)?	2	1, 2, 5	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
3.	What is the null hypothesis, and why is it important in hypothesis testing?	2	1, 3	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
4.	Explain the concept of Type I and Type II errors.	2	1, 3	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
5.	What is randomization, and why is it important in experimental design?	2	1, 3	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
6.	Define the term "big data" in the context of biostatistics.	2	1	**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 regression analysis help in understanding the relationships between variables in biological datasets, and what are the different types of regression models used in biostatistics?	6	1, 4, 5	**Analyzing & understanding**
	UNIT 1 Long answer type question (approx. 500-800 words)			
8.	Explain the key measures of central tendency and variability, and provide examples of their use in biostatistics?	6	1, 4, 5	**Analyzing & understanding**

	UNIT 3 Long answer type question (approx. 500-800 words)			
9.	How does probability theory play a role in understanding uncertainty in biological data, and what are the common probability distributions used in biostatistical analysis?	**6**	1, 4, 5	**Analyzing & understanding**

Session: 2023-2024	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.	Explain the concept of a food desert	2	1	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	What are the key objectives of community nutrition programs?	2	1, 3	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
3.	Describe post-harvest handling.2	2	1, 2	**Remembering & understanding**
	UNIT 3 Short answer type question (approx. 200-300 words)			
4.	Define some micronutrient deficiency.	2	1, 2	**Remembering & understanding**
	UNIT 8 Short answer type question (approx. 200-300 words)			
5.	What is respiratory fitness?	2	1,2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
6.	Briefly describe five plans run by ICDS.	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.	Outline the step-by-step process of conducting a thorough nutritional assessment.	6	1, 2	**Analyzing & understanding**
	UNIT 4 Long answer type question (approx. 500-800 words)			
8.	Discuss the role of community-based nutrition programs in promoting healthy eating habits.	6	1, 2	**Analyzing & understanding**
	UNIT 9 Long answer type question			

	(approx. 500-800 words)			
9.	Explore the relationship between community nutrition and chronic disease prevention.	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024	Max. Marks: 30
Program Name: MFN	
Course Code: MFN 110	Course 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.	Explain metabolism.	**2**	1	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
2.	Define osmolality	**2**	1, 3	**Remembering & understanding**
	UNIT 1 Short answer type question (approx. 200-300 words)			
3.	Define BMI and BMR. Also write their formula.	**2**	1, 2	**Remembering & understanding**
	UNIT 8 Short answer type question (approx. 200-300 words)			
4.	What is lecithin and saponins? ?	**2**	1, 2	**Remembering & understanding**
	UNIT 7 Short answer type question (approx. 200-300 words)			
5.	Name some diseases caused by the deficiency of fat-soluble vitamins.	**2**	1,2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
6.	Differentiate between n-3 and n-6 fatty acids.	**2**	1, 3	**Remembering & understanding**
SECTION- B				6*3=18 marks
	UNIT 2 Long answer type question (approx. 500-800 words)	**Marks**	**Mapped CO**	**Category**
7.	Define digestion and classification of carbohydrate.	**6**	1, 2	**Analyzing & understanding**
	UNIT 3 Long answer type question (approx. 500-800 words)			
8.	Define essential and non-essential amino acids	**6**	1, 2	**Analyzing & understanding**
	UNIT 7 Long answer type question			

	(approx. 500-800 words)			
9.	Describe water soluble vitamins.	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024	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**

Session: 2023-2024		Max. Marks: 30	
Program Name: MFN			
Course Code: MFN 113 7080924537		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.	What are the best practices for storing perishable and non-perishable food items to maximize their longevity?	2	1	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	Explain the concept of 3D food printing?	2	1, 2	**Remembering & understanding**
	UNIT 10 Short answer type question (approx. 200-300 words)			
3.	What is nanotechnology?	2	1, 2	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
4.	What are the primary methods used in food processing?	2	1, 2	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
5.	What is freeze-drying, and what are its advantages in preserving food?	2	1, 2, 3	**Remembering & understanding**
	UNIT 2 Short answer type question (approx. 200-300 words)			
6.	What is the importance of temperature control and monitoring in food processing equipment?	2	1, 2	**Remembering & understanding**
SECTION- B				6*3=18 marks
	UNIT 4 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	What are the intricate steps and key stages involved in the wheat milling process, including the initial cleaning and conditioning of wheat grains?	6	1, 2, 3	**Analyzing & understanding**
	UNIT 8 Long answer type question (approx. 500-800 words)			
8.	Describe salting, sugaring, curing and smoking	6	1, 2, 3	**Analyzing &**

	methods of preservation.			**understanding**
	UNIT 5 Long answer type question (approx. 500-800 words)			
9.	What role does dehydration play in food processing, and how does it affect the nutritional value of foods?	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024	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**

Session: 2023-2024	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 6 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	How do food labelling and regulation policies influence consumer food choices and health?	2	1, 2	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
2.	Explain the importance of monitoring and evaluation in nutrition policy implementation?	2	1, 2, 3	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	Name some state plan of action on nutrition.	2	1, 2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	Explain significance of poverty line.	2	1, 2	Remembering & understanding
	UNIT 1 Short answer type question (approx. 200-300 words)			
5.	Describe pilot and prototype studies.	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
6.	Discuss Sussman's four-step model.	2	1, 2, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 11 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	What is the role of government in shaping and implementing nutrition policies?	6	1, 2, 3, 4	Analyzing & understanding
	UNIT 13 Long answer type question (approx. 500-800 words)			
8.	How do nutrition programs combat malnutrition and food insecurity in developing countries?	6	1, 2, 3	Analyzing & understanding
	UNIT 6 Long answer type question			

	(approx. 500-800 words)			
9.	What are some examples of successful national nutrition initiatives?	**6**	1, 2, 3, 4	**Analyzing & understanding**

Session: 2023-2024	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.	What role do consumers play in food safety?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
2.	What are some key principles of microbiological testing in food quality control?	2	1, 2	Remembering & understanding
	UNIT 3 Short answer type question (approx. 200-300 words)			
3.	How can food manufacturers prevent contamination by pathogenic bacteria like Salmonella and E. coli?	2	1, 2, 3	Remembering & understanding
	UNIT 4 Short answer type question (approx. 200-300 words)			
4.	What are some examples of critical control points in food processing?	2	1, 2	Remembering & understanding
	UNIT 2 Short answer type question (approx. 200-300 words)			
5.	Explain FEFO model.	2	1, 2	Remembering & understanding
	UNIT 6 Short answer type question (approx. 200-300 words)			
6.	Provide examples of product recalls and their impact on consumer protection?	2	1, 2, 3	Remembering & understanding
SECTION- B				6*3=18 marks
	UNIT 1 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	How does proper hand hygiene contribute to food safety in food handling and preparation?	6	1, 2	Analyzing & understanding
	UNIT 2 Long answer type question (approx. 500-800 words)			
8.	What methods can be employed to extend the shelf life of perishable foods?	6	1, 2	Analyzing & understanding

	UNIT 5 Long answer type question (approx. 500-800 words)			
9.	What is the purpose of food safety audits, and who conducts them?	**6**	1, 2, 3	**Analyzing & understanding**

Session: 2023-2024			Max. Marks: 30	
Program Name: MFN				
Course Code: MFN 118			Course Name: Institutional Food Administration	

SECTION- A				2*6=12 marks
Q. No.	UNIT 4 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Explain budgeting and control cost.	2	1, 2	**Remembering & understanding**
	UNIT 1 Short answer type question (approx. 200-300 words)			
2.	Give examples of successful institutional catering programs?	2	1, 2	**Remembering & understanding**
	UNIT 9 Short answer type question (approx. 200-300 words)			
3.	Describe meal tracking software.	2	1, 2	**Remembering & understanding**
	UNIT 7 Short answer type question (approx. 200-300 words)			
4.	What is consumer feedback program?	2	1, 2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
5.	Describe some modes of food delivery.	2	1, 2	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
6.	What we should keep in mind while selecting a place for restaurant?	2	1, 2	**Remembering & understanding**
SECTION- B				6*3=18 marks
	UNIT 5 Long answer type question (approx. 500-800 words)	Marks	Mapped CO	Category
7.	How do food service managers plan and oversee large-scale meal preparation and service in institutional settings like hospitals and schools?	6	1, 2, 3	**Analyzing & understanding**
	UNIT 4 Long answer type question (approx. 500-800 words)			
8.	What are the key considerations in menu planning	6	1, 2, 3, 4	**Analyzing &**

	for institutional food service?			**understanding**
	UNIT 7 Long answer type question (approx. 500-800 words)			
9.	Explain the role of dietitians and nutritionists in institutional food administration.	**6**	1, 2, 4	**Analyzing & understanding**

Session: 2023-2024	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 2 Short answer type question (approx. 200-300 words)	Marks	Mapped CO	Category
1.	Name some major deficiency diseases in emergency.	2	1, 2	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
2.	Explain food distribution strategy in disaster.	2	1, 2, 3	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
3.	How does local foods help in emergency?	2	1, 2, 3	**Remembering & understanding**
	UNIT 5 Short answer type question (approx. 200-300 words)			
4.	How does sanitization effect in disaster?	2	1, 2	**Remembering & understanding**
	UNIT 4 Short answer type question (approx. 200-300 words)			
5.	What is nutritional surveillance?	2	1, 2, 3	**Remembering & understanding**
	UNIT 3 Short answer type question (approx. 200-300 words)			
6.	Describe importance of immunization during emergency.	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 the factors contributing to malnutrition in emergency situations, including conflict zones, and how they differ from non-emergency contexts.	6	1, 2, 3	**Analyzing & understanding**
	UNIT 1 Long answer type question (approx. 500-800 words)			
8.	How does climate change influence the distribution and prevalence of vector-borne diseases like malaria and dengue, and what	6	1, 2	**Analyzing & understanding**

	challenges does this pose in disaster-prone regions?			
	UNIT 5 Long answer type question (approx. 500-800 words)			
9.	What are the key components of an emergency nutrition response plan, and how is it activated during crises or disasters?	**6**	1, 2, 3	**Analyzing & understanding**