### Name:

## **Enrolment No:**



# **UPES**

## **End Semester Examination, May 2025**

Course: Food Processing and Preservation Technology

Program: Integrated (B. Sc.) - (M. Sc.) Nutrition and Dietetics

Dura

Course Code: HSFT3014

Semester : VI Duration : 3 Hours Max. Marks: 100

### **Instructions:**

S. No.	Section A	Marks	COs
	Short answer questions/ MCQ/T&F		
	(20Qx1.5M= 30 Marks)		
Q 1	What are emulsions?	1.5	CO1
Q 2	Name a food example of a gel.	1.5	CO1
Q 3	What is pasteurization?	1.5	CO1
Q 4	Define irradiation.	1.5	CO1
Q 5	What is Psychometric chart?	1.5	CO1
Q 6	State one benefit of aseptic packaging.	1.5	CO1
Q 7	Give one example of Class I preservative.	1.5	CO1
Q 8	What is "F Value"?	1.5	CO1
Q 9	What is 'Indigo carmine'?	1.5	CO1
Q 10	Define Immersion Freezing.	1.5	CO1
Q 11	What is commercial sterilization?	1.5	CO1
Q 12	Which colloidal system is used in mayonnaise?	1.5	CO1
Q 13	What is the full form of NMR?	1.5	CO1
Q 14	Give one example of anti-caking agent.	1.5	CO1
Q 15	Which preservative are particularly used for meat and meat products?	1.5	CO1
Q 16	State one characteristic of colloid.	1.5	CO1
Q 17	Give one example of a low-calorie sweetener.	1.5	CO1
Q 18	State True or False: Vacuum drying technique removes water from a slurry.	1.5	CO1
Q 19	State True or False: Long term consumption of metanil yellow can cause cancer.	1.5	CO1
Q 20	White paperboards are suitable packaging material for: a. ice cream	1.5	CO1

	b. juice		
	c. egg.		
	d. tea		
	Section B (4Qx5M=20 Marks)		
Q 1	Describe the advantages of microwave heating.	5	CO2
Q 2	Differentiate between intentional and unintentional food additives with examples.	5	CO2
Q 3	Discuss about Class II preservatives.	5	CO2
Q 4	Discuss the Batch Method of pasteurization.	5	CO2
	Section C		
	(2Qx15M=30 Marks)		
Q 1	Differentiate between pasteurization and sterilization.	15	CO3
Q 2	Discuss about freeze dryer, drum dryer and foam mat dryer.	15	CO3
	Section D		
	(2Qx10M=20 Marks)		
Q 1	Describe the steps in the canning procedure with a	10	CO4
	flow chart.		
Q 2	What are the advantages, disadvantages and packaging	10	CO4
	forms of glass containers.		