4. Answer any one from the following:

short note on ball mill.

10x1 = 10

(2+1+1+3+3)

2024

Food Processing & Quality Management/Food Processing Technology/Food Processing (AGRI)

Paper: FPR0200204

(Food Processing-II)

Full Marks: 45 Time: 2 hours

The figures in the margin indicate full marks for the questions.			
	1. An	aswer the following:	1x5=5
	c	UP stands for HTST stands for What is F-value? Write the formula for calculation of moisture content on dry basis. What is roasting?	
	a. b. c. d. e. f.	What is meant by 'refrigeration load' also identify the factors that influence it? What is dehydro freezing? Define psychrotrophs and thermophiles with example. Differentiate between pasteurization and sterilization. Discuss briefly the effect of frying on the nutritional value of food.	
	3. W	rite short notes on any four	x4=20
	a.	(1+4)	
	b. c.	Explain the effect of heat on sensory characteristics of food. What is meant by food concentration? Explain the changes that occur in food during	concentration.
	d.	Differentiate between refrigeration and freezing. What is the primary purpose of	refrigeration in (3+2)
	e. f.	Write a short note on the different types of freezers used in food processing. Explain with a proper diagram the freezing curve of food. What is meant by freezer	burn of food?
		g Explain briefly the steps involved in new food product development. h. What is meant by freezing point? Explain briefly the changes that occur in food of	(4+1) luring freezing. (2+3)
			1

a. What is meant by unit operation? Give two examples of unit operation used in food processing. Name two machineries used for size reduction. What is meant by mixing and kneading? Write