

KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Agrl. Engg.) 2019 Admission VI Semester Final Examination- June 2022

Fape.3207

Dairy and Food Engineering (2+1)

Marks: 50 Time: 2 hours

	Fill in the blanks	(10x1=10)
1.	. Ultrasonic nozzle atomizer is used indrying.	
2.	The viscosity of milk productsas the concentration increases.	
3.	is a method of preservation that makes use of sublimation, the p	process by
	which a solid passes directly to the gaseous phase without first melting.	
4.	filtration is commonly used to pre concentrate milk prior to prep	aration of
	other range of dairy products to selectively remove lactose and salts from the	vhey.
5.	is the study of the flow and deformation of matter.	
	State True or False	
6.	The pH of fresh cow milk varies from 6.6 to 6.7.	
7.	Diameter of the fat globules increase after homogenization and it enhances fat	clumping.
8.		
	in foods.	
9.	Pasteurization decreases keeping quality of milk.	
10.	Agitated thin film evaporators are used mostly for finishing of high viscous pro-	oducts
		(5x2=10)
7.	Regeneration efficiency	
	Answer ANY FIVE of the following	(5x4=20)
1.		
3.		
4.	Brief about dairy plant utilities requirement.	
5.	Write about Aseptic processing.	
6.	Brief explain about changes in food products during evaporation.	
7.	Write about fundamental concepts of Nanotechnology.	
	Write an essay on ANY ONE of the following	(1x10=10)
1.		(1710-10)
2.	Write about different membrane separation methods.	

	2 3 4 5 6 7 8 8 9 10 1 1 2 1 3 4 5 6 7 7 1 1 2 1 5 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. Ultrasonic nozzle atomizer is used in