KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Food Engg.) 2015 Admission
IV Semester Final Examination – July - 2017

CC N	o: Fden 2206	Marks: 50 Time : 2 hours
Title:	Dairy Engineering and Technology(2+1)	(10 x 1=10)
Į. Fill	up the blanks:	(IUAL 20)
1.		
2.	The process of reducing fat globule size in milk to prevent cream separa	ation is known as
_	The disk stack of a cream separator rotates with the bowl at around	rpm.
3.		1
4.	In study of pumps, NPSH stands for	
5.	The fact percentage in Indian Butter is about	
6.	LTLT pasteurization of milk has a time-temperature combination of	an SNF
7.		und un or va
	content of	
8.		her a lenifo known as
9.	In a drum dryer, the dried particles are removed from the drum surface	by a kime known as
10	. The power requirement of a homogenizer(E), whose homogenizing pre	essure (p), and volume
10	flow rate (Q) are known, can be expressed as	
		(5x 2=10)
II. W	rite short notes on ANY FIVE:	(0 =)
1.	•	
2.	Paring disc	•
3.	Cheese	•
4.	Regeneration efficiency	
5.	Fouling	
6.	Booster pump	
7.	Toned milk	
Ш	Write answers on ANY FIVE:	(5 x 4=20)
1	. Flow Diversion Valve	
2	2. Vapour recompression	
3	3. Cleaning-in-place	•
4	Aseptic Packaging	
Ş	5. Continuous Butter Making Machine	
(6. Spray Drying	
•	7. Vacreation	
TX	. Write essay on any ONE	(1 x 10=10)
1 7	Explain the construction and working of an HTST pasteurizer with a	neat schematic diagram.
L	. Laplant die Come access	

Explain the construction and working of a homogenizer with a neat schematic diagram.