Α		Reg. No. :								
		Question Pa	per Cod	e: 99A	09					
	B.E. /	B.Tech. DEGREE	EXAMIN	ATION, I	MAY	202	4			
		E	Elective							
		Agricultu	ire Enginee	ering						
	19U.	AG909- Design Of	f Food Prod	cessing E	quipn	nent				
		(Regu	lation 2019))						
Dur	ation: Three hours					Ma	xim	um:	100	Mark
		Answer	ALL Quest	ions						
		PART A - (1	$0 \ge 1 = 10$	Marks)						
1.	Which of the following comes under grain processing in India?						COI			
	(a) oil seed processing	7	(b) wheat processing							
	(c) oil seed and wheat processing (d) None of the mentioned									
2.	Food processing in India is concentrated in which sector, maximum? CO1-									
	(a) organized sector		(b) ui	norganize	d sect	tor				
	(c) small scale		(d) no	one of the	ment	tion	ed			
3.	Which of the follow process, final product (a) slurry (b) solu	is in the form of		-	india solve					CO2
 The major ingredient of sweetened soft drink is 										CO1
	(a) carbonated water (b) hydrochloric acid (c) phosphoric acid (d) caffeine									
5.	Which of the following products is a processed form of rice? CO3- Ap									
	(a) suji		(c) bread			l) co	ncer	ıtrate	ed	
6.	Alisha challenged her friends that one special vitamin would notCO1-be affected when she boils milk. Which vitamin is it?									
	(a)Vitamin C	(b)Vitamin D	(c)Vi	tamin B	(d	l) No	one o	of the	e me	ntion
7.	Which of the follow cereals?	ving operation red	luces the	dietary f	iber c	cont	ent	in		COI
	(a)Drying	(b) Retro gradatio	on (c) (Grinding			(d)	Milli	ing	

8.	What is the temperature of pasteurization for meat?										
	(a) 7	/3°C	(b) 89°C	(c) 63°C	(d)65°C						
9.	What gas is used for gas stunning in meat processing?										
	(a)A	rgon	(b) Helium	(c) Carbon dioxide	(d) Ammonia						
10.	Whi	ch one type of emu	ulsion is milk?			CO1- R					
	(a)C	il in water (b)	Water in oil	(c)Water in water	(d) Oil in oil						
PART - B (5 x 2= 10 Marks)											
11.	1. List out the organoleptic properties of food?										
12.	2. List the factors to be considered for the success or failure of a packaging system.										
13.	3. Detail the various steps involved in Instant Coffee preparation.										
14.	. Classify foods based on their perishability.										
15.	Wha	at are the various ty	pes of trimming	g used in food processing in	dustry?	CO1- U					
PART – C (5 x 16= 80 Marks)											
16.	(a)	Explain the deta sketch, advantage			at a CO1-U	(16)					
	(b)	Explain the detail advantage and dis	-	ay dryers with neat a ske	tch, CO1-U	(16)					
17.	(a)	Explain the deta sketch, advantage		-	nt a CO1-U	(16)					
	(b)	Describe the deta sketch, advantage	il about the Incl	ined belt separator with ne	at a CO2-R	(16)					
18.	(a)	Describe the proc advantage and dis		LSU dryer with a neat ske	tch, CO1-U	(16)					
	(b)	Explain the proce with neat a sketch	ess involved in p	addy thresher and compone	ents CO1-U	(16)					
19.	(a)	Describe the proc decorticator with	-	÷	lnut CO1-U	(16)					

- (b) Describe the process involved in wheat milling with advantage CO2- App (16) and disadvantage?
- 20. (a) Explain in detail the processing of any fruits / vegetables / food CO3- App (16) product.

Or

(b) Describe the detail about the scope and importance of material CO3- App (16) handling?