	. (C)	Low Temperature Holding (L' pasteurization.	scribe in brief (TH) method of	AQ-76
		OR	4	B.Sc. (Part-III) Semester-VI Examination
	(d)	Define yoghurt and give its fermen	ting missed -	68: MICROBIOLOGY
		E E E E E E E E E E E E E E E E E E E	ung inicronora.	(Industrial Fermentations Food Microbiology
	(e)	Describe phosphatase enzyme test	. 4	and Metabolism)
	<b>(f)</b>	Describe one method for production		Time: Three Hours] [Maximum Marks:
_		•	4	Lamming Mark :
6.	(a)	Define sauerkraut and give its ferme	nting microflora.	Note:- (i) ALL questions are compulsory.
	<i>a</i> .		4	(ii) Draw neat and labelled diagrams
	(b)	Explain any two sources of contami	nation of foods.	wherever necessary.  1. (A) Fill in the blanks:
	(c)	Describe production of Idli.	4	(i) Molasses is a byproduct of industr
		OR	7	(ii) Cheddar cheese is type of cheese.
	(d)	What is Salmonellosis?	4	(iii) Amylase enzyme can hydrolize
	(e)	Staphylococci food poisoning.	4	(iv) Preservation of food by radiation is known a
	<b>(f)</b>	Describe botulism.	4	, and the state of
				(B) Choose the correct options:
7.	Desci	ribe in detail TCA cycle.	12	(i) Which enzyme is used to determine efficience
		OR		of pasteurization?
I	What	are enzymes? Give detailed classification	ion of enzymes	(a) Catalase
I			12	(b) Amylase
				(c) Coagulase
3S	-50082	· <b>A</b>		(d) Phosphatase enzyme
			1050	UBS50082
i I			•	(Contd.)

		(ii)	(ii) Large vessel in which fermentation is car				ried		(d)	What is waste sulfite liquor? Give its uses.	. 4
			out	is known as:			•		(e)	Describe Auxanography technique.	4
			(a)	Impeller					<b>(f)</b>	Give difference between batch and contin	uous
			(b)	Inoculation ta	ınk		•			fermentation.	4
		(iii)	<ul> <li>(c) Fermentor</li> <li>(d) None of these</li> <li>Net gain of ATP in Kreb's cycle is:</li> <li>(a) 20 ATP</li> <li>(b) 24 ATP</li> </ul>				· ·	3.	Wh	nat is wine? Describe in detail industrial production of wine.	
						·			red		
						,	·	OR			
						. '				hat is vinegar? Describe in detail production of vinega	
			(c)	22 ATP	•				by I	Fring's generator process.	12
			(d)	26 ATP				4.	(a)	Draw flowsheet diagram for SCP production.	4
		(iv)	Antifoam agent is destroying:					(b)	Describe commercial production of bacterial amylas		
			(a)	Foam					(-)	F	4
	٠.		(b)	Acid					<b>(-</b> )		4
			(c)	Alkali		· .			(c)	Explain in brief production of baker's yeast.	• 4
			(d)	None of thes	ie.	2				OR	
	(C)	Ans	Answer the following in one sentence:						(d)	Draw flowsheet diagram of vitamin B <sub>12</sub> production	ction.
		(a)	) Define fermentation.			<b>e</b> .			( )	12-	
		(b)						(a)	Describe in brief fermentation conditions for	c for	
		(c)	Wh	at is food infe	ction?	•		•	(e)	production of penicillin.	S 101 A
		(d)	Def	fine cheese.	•	4					7
									<b>(f)</b>	Write uses of amylase.	4
2.	(a) Describe inoculum build up.			4							
	(b)				d anaerobic	maerobic	5.	(a)	Define cheese and give its classification.	4	
	fermentation.			4							
	(c)				4			(b)	the state of the s	nitted	
			•	OR	•					by milk.	. 4
UBS	5008	82		. 2		(Contd.)		UBS	<b>—50</b> 0	082 3 (C	ontd.)