## B.Sc. Part-III Semester-VI Examination MICROBIOLOGY

## (Industrial Fermentations Food Microbiology and Metabolism)

Time	Time : Three Hours]					[Maximum Marks: 80		
Note	:	(1)	All questions are compulsory.					
			Question No. 1 is objective type and has no internal choice.					
			Q. No. 2 to Q. No. 7 have internal alternative choice and carry equal marks.					
		(4)	Draw neat and labelled diagrams wherever necessary.					
1.	(A)	Fill in the blanks:						
		(i)	yeast is used for fermentation of alcohol.  The material which is widely used for controlling excess foam formation is known as agent.					
		(ii)						
		(iii)	The	major milk protein	present in milk	is		
		(iv)	Vine	egar is also known a	as wine.			2
	(B)	Cho	oose the correct option :					
		(1)	Sug	ar present in milk is				
			(a)	Lactose		(b)	Glucose	
			(c)	Dextrose		(d)	Arabinose	
		(2)	In IITST method for pasteurization of milk °C temperature is used.					
			(a)	70		(b)	68	
			(c)	71.7		(d)	60	
		(3)	The use of Hops used in the Beer production is a female inflorescences of					
			(a)	Humulus lupulus		(b)	Hibiscus	
			(c)	A. Indica		(d)	None of the above	
		(4)	And	other name of Vit. E	is			
			(a)	Cynocobalamin		(b)	Riboflavin	
			(c)	Pantothenic acid		(d)	Niacin	2
	(C)	Give the answer in <b>one</b> sentence:						
(1)			Give the long form of EMP pathway.					
		(2)	Give one application of phosphatase test.					
		(3)		Define Sauerkraut.				
		(4)		at do you mean by				4
2.	(a)		escribe in brief production strain.					
	(b)		rive any four differences in BATCII fermentation and CONTINUOUS fermentation.					
	(c)	Des	cribe	in brief corn steep	-			4
		_			OR			
	(d)	,						4
	(e)	•						
	(f)	Giv	e any	e any four differences in surface and submerged fermentation.				
WPZ	<del>-339</del>	7			1		(Con	ıtd.)

Allosteric enzymes.

(f)

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