	(e) Describe bacterial SCP	4	AP-530
,	(f) Explain active dry yeast.	4	
5.	Explain the following:		B.Sc. (Part-III) Semester-VI Examination
	(a) Classification of cheese	4	6S: MICROBIOLOGY
	(b) Proteolytic and lipolytic microbes in milk	4	(Industrial Fermentations, Food &
	(c) Grades of milk	4	Microbiology & Metabolism)
	OR		G
	(d) Testing of milk pasteurization	4	Time—Three Hours] [Maximum Marks—80
	(e) High temperature short time pasteurization	4	N.B. :— (1) All questions are compulsory.
	(f) Composition and types of milk	4.	(2) Draw neat and labelled diagrams wherever
6.	Describe in detail food poisoning.	12	necessary. 1. (A) Fill in the blanks.
	OR		(i) Fring's process is used for industrial production
	Describe in detail chemical preservation of foods	s. 12	of
7.	Discuss in detail EMP pathway.	12	(ii) In low temperature holding method milk is
	OR		pasteurized atoC temperature.
	Describe in detail major classes of enzymes.	12	(iii) The substance on which enzyme acts is called as
			(iv) is used as a precursor in penicillin production. 2
			(B) Choose the correct option:
			(i) Single cell protein is:
			 (a) Protein extracted from single cell of micro organism.
			(b) Biomass of a microorganism with high protein content.
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	() Post in a server of from omino soids		2.	Differentiate between:			
	(c) Protein prepared from amino acids.		22.	(a)		4	
	(d)	Biomass of a microorganism war protein and nucleic acid content			(b)		4
(;;)	Mai	Main sugar present in cow milk is: (a) Glucose (b) Sucrose			(c)	-	4
(ii)	(a)				(0)	OR	
	(b)				Evn	lain the following:	
	(c)				(d)	Antifoam agents	4
	(d)	Maltose			(e)	Screening of production strain	4
(iii)	Hol	Holoenzyme is formed by combining apoenzyme			(f)	Classes of industrial microorganisms	4
	with:			3.	7.4.	blain the following:	·
	(a)	Coenzyme	•	٥.	•	Medium components of beer production	4
	(b)	Isoenzyme			(a)	Microorganisms and inoculum for acetone butan	
	(c)	Allosteric enzyme			(b)	production	
	(d) Immobilized enzyme				(c)	Fring's generator	4
(iv)	Cat	tabolism means:				OR	
	(a)	Synthesis reactions	2		(d)	Fermentation conditions for alcohol production.	4
	(b)	Isomerization reactions			(e)	Red table and white table wine.	4
	(c)	Breakdown reactions			(f)	Processing of grapes for wine production.	4
	(d)	Ligation reactions		4.	(a)	Explain microorganisms for penicillin production	4
(C) Ans	swer	wer the following in one sentence: Skimmed milk Molasses		-	(b)	Describe recovery of bakers yeast	4
(i)	Ski				(c)	Explain production of fungal amylase	4
(ii)	Mo				(-)	OR	
(iii)	Ma	astitis	4		(d)	Explain recovery of penicillin	4
(iv)	Но	pps			. ,	•	
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