S.Y.B.SC.SEM IV EXAM

[Additional Essam]

		The same of the sa		-	
20	ar	bon	CV	C	6

- Chemical and microbiological characteristics of wastewater.
- Activated sludge process.

Q.I	II (A) Fill in the blanks	s (any four)		(04)				
	concentration as long as	shase of batch fermentation the growth						
3)	The production C:	process substrate is added in increments as the fermentation progresses.						
4)	the production of vine	gar utilizes various	ous species to oxidize ethanol to acetic acid.					
5)	is a cryoprotective agent. screening gives the information regarding the spectrum of microorganisms							
,	5010	eening gives the information regarding	ng the spectrum of	microorganisms which i				
6)	sensitive to a newly dis	scovered antibiotic.						
	is a situation where the end product of a biochemical pathway prevents the synthesis of an enzyme.							
7)		ed by adjusting the						
8)	involv	ed by adjusting the concentration of on	e subatrate in the	-				
	sublimation of cell wat	es the freezing of a culture followed beer.	by its drying under va	cuum which results in th				
Q.	III (B) Explain (any tw	vo) of the following		(04)				
	Diauxy Subculture	3) Primary Screening						
-)	Subcultule	4) Co-operative feedback co	ontrol					
Q.	III (C) Answer (any t	wo) of the following.						
				(12)				
3)	Mention the difference	submerged fermentation? In brief expl od used for the long term preservation are ses between batch and continuous ferme	of interoorganisms.					
7)	now would you	primarily screen an extracellula	ar metabolite proc	ducing microorganisms				
Q	.IV Write short notes ((any three) of the following						
1	. Cavitator			(15)				
2								
	. Nitrogen fixation.							
4		ge						
5	. Somatostatin produc	tion with reference to application of his	otock 1					
6	Exponential phase	tion with reference to application of bio	otechnology in medica	al science.				

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