2715115

5.E.IV Sem - Biotech. 271. Fermentation Technology | CBGS/FT.

QP Code: 3669

[Total Marks: 80 (Hours 3)

N.B.	(1)	Answer any four questions.	
	(2)	All questions carry equal marks.	
, e			20
1.Atte	empt an	y four:-	
	(a)	What is fermentation?	
	(b)	What is up-stream processing?	
	(c)	Explain solid-state and Submerged-Fermentation	
	(d)	What is "Growth-Media"?	
	(e)	What is "Continuous Fermentation" process?	10
		· O. Hannoncing	10
2.	(a)	Describe parameters of "Down-Stream" processing.	10
	(b)	Describe "Bio-fertilizers".	10
3.		- at the overmales	10
	(a)	What is "Fed-batch" culture? Give suitable examples.	10
	(b)	What are "Good" mutants for fermentation?	10
			10
4.	(a)	How would you preserve Industrial microorganisms?	10
	(b)	Wirte briefly about "Bio-Pesticides".	10
		out a sic and to?	10
5.	(a)	What is the importance of "Artifoam" agents?	10
*	(b)	How is oxygen demand and supply met and regulated?	10
		1:0" Bio-reactors used for? Explain.	10
6.	(a)	What are "Bubble-column" and "Air-lift" Bio-reactors used for? Explain.	10
	(b)	How is Cider-Vinegar made?	