QP Code: NP-19776

(2 House)



					(2 Hours)		[lotal Marks : 6	00
V.B	• •	(1) (2) (3)	Attempt as	No. 1 is company 3 questions able diagrams.	out of the	e remainir	ng 5 que	estions.	
1.	Expl (a) (b) (c) (d) (e) (f)	Eni Ap Bio Ca	richment To sterilization of plication catabarbon catab	on methods f Baker's Yea	ion.	and speci	fic grov	with rate.	20
2.	(a)	Di	fferentiate (i) Batch (ii) Upstre	between the fand continuous am and down the and fibrou	following as ferment	ation.			12
	(b)) De	scribe the the the the	of cells in the	gen trans	fer method tion broth	dology f is.	from the air bubble	8
3.	(a)) W	ith a suitab	le diagram ex	plain the	various pa	arts of a	fermenter.	10
	(b)) Ex	plain prod is acetic ac	uction of ace id differs from	tic acid be not that obtain	y tricklin ained by C	g gerera Orleans	ator method. How method,	10
4.	(a)) Ho	ow feedbacethod? Disc	k inhibition cuss the merit	resistant is of the m	mutants o	btained	by gradient plate	10
	(b)) W	hat are the industrial	different crite	eria consid	dered for t	the med	ium to be used for	r 10
5.	(a)) De	efine inoc	lum develop	ment? E	xplain the	e impor	rtant points to be	e 5
	(b)	Ex	plain the p (i) Micro	roduction of organisms use of raw materia	ethanol or	Y Charles	of -		15
6.	(a)) W	hat are the gw materials	eneral requiren which can be u	nents of a fo	ermentation industrial s	n process	s. Describe any three roduce products.	2 10
	(b)			beer in made					10
									AU.