M.Sc. (Part-II) Semester-III (CBCS) Examination MICROBIOLOGY FERMENTATION TECHNOLOGY

Paper-XI

Time:	Three Hours]	[Maximum Marks: 80
N.B.:-	(1) All qu	estions are compulsory and carry equal marks	
	(2) Draw	well labelled diagrams wherever necessary.	
1. Ex	plain design	and types of fermenters. Add a note on uni	_
			16
		OR	
W		es on the following:	
(a		continuous fermentation	8
(b	_	ce of biokinetic constants.	8
2. Ta	ke a detailed	account of production of anti-cancer drugs	16
		OR	
D	scribe the inc	dustrial production of penicillin. Add a note o	on its recovery and applications 16
3. (a	Differentia	te between yoghurt and dehi.	8
(b	Compare b	between Beer and Wine.	8
		OR	
(c	What are n	nycoproteins? And how are those produced	1? 8
(d	How Koji	is produced ?	8
4. W	Write notes on production and preservation of following fermented foods:		
(a	Sauerkraut		8
(b	Baker's yea	ist.	8
		OR	
W	hat is the imp	portance of following bacteria in food borne	e infection and intoxication?
(a	Clostridiun	n (b) Sh	iegella
(c	Compyloba	acter (d) Lis	steria 16
	scribe the bidrocarbon.	iomass production of Acinetobacter ceritic	cans and <i>Candida utilis</i> from 16
		OR	
W	rite notes on	:	
(a	Desirable o	characteristics of probiotic organisms.	8
(b	Benefits of	f probiotics consumption.	8

