YBC-15273

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B.Sc. (Part-II) Semester-III Examination 3S: FOOD SCIENCE (Food Microbiology)

Time: Three		Hours]			[Maximum Marks:	[Maximum Marks: 80	
Note :— (1)		ALL questions are compulsory.					
	(2) Q.No. 2 to 7 carry equal marks.						
	(3) Draw a diagram in support of your answer wherever necessary.					wherever necessary.	
1.	(A)	Fill	in the blanks:				2
		(i)	_	are the salt loving micro	organi	sms (Halophiles/Thermophiles)	
	(ii)			The cells in the animals are of type. (eukaryotic/prokaryotic)			
		(iii)	Conversion of sugar into alcohol is fermentation			fermentation (aerobic/anacrobic)	
		(iv)		is used for staining of mic	crobes	(crystal violet/copper sulphate)	
	(B)	Cho	ose the correct alternative :				2
		(i)	Not	Not involve fermentation in preparation :			
			(a)	T.Fv	(b)	Wine	
			(c)	Cheese	(d)	Paneer	
		(ii)	Con	tinuous increase in bacterial cells :			
			(a)	Lag Phase	(b)	Log Phase	
			(c)	Stationary Phase	(d)	Death Phase	
		(iii)	Stre	eak plate method is used for:			
			(a)	Growth curve	(b)	Culture preservation	
			(c)	Gram Staining	(d)	Pure culture isolation	
	(iv)		Purposefully addition of microorganism:				
	*		(a)	sterilization	(b)	isolation	
			(c)	inoculation	(d)	incubation	
(C) Ans		Ans	wer in one sentence :				4
		(i)	Def	ine protozoa			1
		(ii)	Wh	at is incubation?			1
	(iii)			Name any four sources of microbial contamination.			
		(iv) What is anaerobic fermentation?					1
2.	(a)	What is food microbiology? Give the primary sources of microorganisms in food.					4
	(b)	Disc	Discuss any two organelles of cell in brief.				
	(c)	(c) Give the types of microorganisms depending upon requirement of O2.					
				OR			

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