PARUL UNIVERSITY FACULTY OF AGRICULTURE

B. Tech FOA Winter 2019-20 Examination

Semester: 3 Subject code: 2010 Subject Name: Mi	04209 Icrobiology of Fluid Milk		Date: 09/12/2019 Time: 10:30 to 12:30pm Total Marks: 50	
Instructions:	OV.			
1. All questions are	compulsory.			
	ht indicate full marks.			
	sumptions wherever necessary.	•		
4. Start new question	on on new page.			
i)ba ii)is iii)is iv)is v)is vi)is vii)is vii)is	planks(Each of 0.5 marks) cteria can spoil the refrigerated the prime causative organism frombination of time and temporesponsible for sweet curdling pasteurization efficiency test. indicator of faecal contaminants is used to detect typhoid. price indicator for milk in Indimost predominant spoilage or based on centrifugal process to	For mastitis. Perature for LTLT pasteurize t. a. ganism in UHT milk.		(05)
B). Multiple choice Qu	estion (Each of 0.5 marks)			(10)
i)is Psycho	tropic bacteria.			
a)Bacillus	b) Pseudomonas	c)Streptococcus	d)None of the above	
ii) is the cause	ative for Tuberculosis.			
a)Bacillus spp	b)Mycobacterium spp	c)Streptococcus spp	d)None of the above	
iii) is temp	perature is used in UHT Milk			
a) 40- 60° C	b) 70-90°C	c) 130-140 ⁰ C	d)None of the above	
iv) Alcaligenes viso	colactis is responsible for	••••		
a) Souring	b) Ropiness	c) Sweat curdling	d) Discoloration	
v) is o	optimum temperature for Meson	ohiles incubation.	•	
a) 25^{0} C	b) 37 ⁰ C	c) Above 45 ⁰ C	d)None of the above	
vi) is optir	num pH for PDA.			
a)7.0	b)8.5	c)3.5	d) 6.8	
vii)is also	known as cold Sterilization.			
a)Radiation	b) Thermization	c) Pasteurization	d) None of the above	
viii) is pro	esent in low quantity in Mastiti	s Milk.		
a)Potassium	b)Sodium	c) Chloride	d)None of the Above	
,	a used for coliform.	,	,	
	o)Mac-Conkey Agar	c) Potato Dextrose Ag	ar d)None of the Above	
	n is irreversible damage to bac	· · · · · · · · · · · · · · · · · · ·	,	
a) Bacteriostatic	b) Bactericidal	c) Bacteria-inhibitor	d)None of the Above	
xi)There is no Grow				
a) Stationary p	_	c) both in a & b	d)None of the Above	
	on-cultured rapid test			
a) SPC	b) Coliform test	c) MBRT	d) None of the above	
	ram positive aerobes and spore			
a) Lactobacillus	b) Clostridium	c) Bacillus	d) Staphylococcus	

xiv)	Ropiness defect is due	to Production i	n milk.		
	a)Protein	b) lipid	c)Mucins	d) all of the Above	
xv) .	index organisms a)Bacillus stearotheri		btilis c) Bacillus coagulans	d) None of the above	
xvi) T	The enterotoxin is affect				
	a) Stomach	b) Respiratory track	c) Brain	d) Skin	
xvii)	The following is defec	et is due to lipase enzyme			
	a) Ropiness	b) Souring	c) Rancidity	d) bitterness	
xviii)	The COB test is positive	e at acidity			
/	a) 0.11	b) 0.14	c) 0.22	d) All of the Above	
viv) T	he CAMP test use for de	etaction of			
ΛΙΛ <i>)</i> Ι	a) Listeriosis	b) Anthrax	c) Mastitis	d) Brucellosis	
` -	41	D			
XX) F	ollowing is gram positiv a)Salmonella 	b) Shigella	c) Listeria	d) E. Coli	
		e, singena	c) Zisteriu	3) 2. c 3.	
Q. 2.	 Bactofugation Zoonotic Diseases Thermophillic Mastitis Sanitizer Thermodurics Sanitization B). Answer the follow	ring terms (Any five out of Any five out of Pasteurization,			(05)
	2) State the parameter3) Importance of child4) Role of hygienic	er used for grading the malling in milk storage. practices in milk proces sociated with post milk proces for UHT milk.	sing. rocessing contamination.		
Q.3.	A) Write short notes (1) Bitty cream 2) Listeriosis 3) Immunoglobulin 4) Public health asp 5) Importance of h 6) Compositional controls	n pects of fluid milk			(10)
Q 4)	2) State the preven3) Describe in brief	hree out of four) pes of microbiological sp ntive measures for mastiti f natural inhibitor system and its preventive measure	s control. in milk.		(15)