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(55,55A)

No. of Printed Pages: 03

## Sardar Patel University

MSc. HSc. II Semester NC (old CBCS)

**External Theory Examination** 

CBCS: PH02EFDN01/PH02EFBT01: Advanced Food Processing Technology

Date: 6/12/2012 (Thursday) Time: 10:30A. M. – 1:30 P.M.

Total Marks: 70

## Multiple Choice Questions (Select the correct answer)

(8)

- 1. Churning of "Dahi" made from whole milk gives:
  - a) "Desi" butter
  - b) Dairy butter
  - c) Table butter
  - d) None of the above
- One molecule of lactose gives:
  - a) One molecule of lactic acid
  - b) Two molecules of lactic acid
  - c) Three molecules of lactic acid
  - d) None of the above
- 3. "Dahi" prepared at home level shows varying taste from house to house because:
  - a) Milk quality is different
  - b) Starter culture is different
  - c) Both a. & b.
  - d) None of the above
- 4. Fermented milk preparations are superior to milk because:
  - a) Nutritive value is increased.
  - it is more easily absorbed by the human system than milk.
  - c) Both a. & b.
  - d) Neither a. nor b.
- 5. IQB stands for
  - a) Inspective Quick Blanching
  - b) Individual Quick Blanching
  - c) Insulated Quick Blanching
  - d) None of the above
- 6. Which one of the following tests indicates the microbial quality of milk:
  - a) Alcohol test
  - b) Total solids
  - c) MBRT
  - d) None of the above
- Synthetic flavor is added in butter because natural ripening of cream for flavor development is:
  - a) An expensive procedure
  - b) Time consuming

(P.T.O.)

	c)	Both a. & b.	
	d)	None of the above	h a cooling liquid flowing in
1. 1	8. A	None of the above leat exchanger with a flat – surfaced plate on the front side fitted wit	
. 182	pip	es at the back side of the plate indicates:	
	a)	Plate Heat Exchanger	
	b)	Scraped Surface Heat Exchanger	
	c)	Surface Cooler	
	d)	None of the above	
	100		(14)
	11.	Explain briefly (any Seven):	(2-)
	1	Average energy content of milk.	
	2.	Physical state of milk.	
	3.	Uperisation of milk.	
	4.	Alcohol test for milk.	类
	5.	Flavoured milk preparation.	
131	6.	Characteistics of a warm milk cream separator.	
	7.	Sweet cream butter.	
	8.	'khoa' manufacture.	
	100	Merits of C.I.P.	
	9.	Wells of contr	
	fi	QA is compulsory. Answer any one Q. from B. ive the definition of market milk. Name the major and minor consti- ve factors affecting the composition of milk. What is meant by 'platfo our 'platform tests' of milk. escribe the following physico – chemical properties of milk:	orm tests' of milk? Name any (6)
	B) [		
		i. acidity	
		ii. specific gravity	(6)
		iii. freezing point OR	
			square method for the same.
100 000	B) \	What is meant by 'standardization' of market milk Expension and 2% milk must alculate how many parts by weight of 35% cream and 2% milk must	be mixed to make milk testing
1,16 100			(6)
		.5% fat?	
	IV.	What is flavoured milk? Give the flow chart for it's manufacture an	nd explain the manufacture of
+	A)	What is flavoured milk? Give the now chart for it's manufacture	(6)
2.17477.47		my one type of flavoured milk which you have studied.	
* 4.	B)	What is cream? Explain the following terms related to cream:	
		) Market cream	
		i) Manufacturing cream	
		ii) Table cream	(6)
		iv) Whipping cream	

OR

IV.				25-00 VS		
A)	합니다 하나 하는 것이 되었다면 하는데 하는데 하는데 하는데 하는데 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이					
				(6)		
B)	Explain the following steps under butter manufacture:					
	i)	Neutralisation of cream				
	ii)	Ageing of cream		V22		
	iii)	Churning of cream		(6)		
v.						
A)	Expla	in what is butter oil. Give the nutritive value of t	the same.	(3)		
B)	Explain the manufacture of butter oil by the following two methods:					
U SASS	i)	Direct evaporation				
	ii)	Centrifugal separation followed by vacuum dr	rying.	(9)		
	27.244	C	OR			
v.						
A)	What is cheese? Give the approximate composition of cheese. (3					
B)	Explain the following steps in the manufacture of cheese:					
	i)	Adding starter				
	ii)	Rennetting				
	iii)	Cooking	E (6)			
	iv)	Salting	959	(9)		
VI.	V	Vrite short notes on ( any four)		(12)		
1.	Physi	ico – chemical properties of cream				
2.	Manufacture of yoghurt.					
3.	Manufacture of skimmed milk powder					
4.	Ice cream manufacture.					
5.	Biscult manufacture.					
6.	6. Isolation of starch from potato.					
			97.			

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