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Sardar Patel University

MSc. HSc. III Semester (FN/FBT)(New CBCS)

External Theory Examination

CBCS: PH03EFDN02/PH03EFBT02: Advanced Food Processing Technology

Date: 7/12/2012 (Friday) Time: 2:30 - 5:30 P.M

Total Marks: 70

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32
32
- 2
W
(P.T.O.)

	c) It is affected by foam formation		
	d) All of the above.		
	M		
11.	Explain briefly (any seven)	(14)	3
	Bactofugation of milk.		
	2. Ripened cream butter.		
	3. Cleaning and sanitization of dairy equipment.		
	4. Types of condensed milk.		
	5. Manufacture of sterilized cream.		
	6. 'Developed' acidity of milk.		
	7. Pigments present in milk.		
	8. Isolation of starch from corn.		
	9. Canning of vegetables.		
III.	QA is compulsory. Answer any one from Q. B.		
A)	Name the various quality control tests carried out for market milk giving their purpose.	(6)	
B)	Give the flow chart for the manufacture of market milk and explain the following terms:		
	'Clarifier slime' and 'standardization' of market milk.	(6)	4
	OR —		
B)	What is cream? What are the two main methods for the separation of cream? Explain an	d give t	the
	formulas for their calculation. Also compare the characteristics of both methods of separa	tion.	
	(6)		
	CA I Assume them C. B.		
IV.		Int.	
A)	Give the flow chart for the preparation of butter from cream.	(4)	
B)	Describe the following steps in butter preparation:	701	
	Aging, ripening and churning	(8)	
	OR .		
C)	Describe the following steps in butter preparation:	int	
	Neutralization of cream, salting and working	(8)	
٧.			
A)	Give the flow – diagram for the manufacture of Indian Dairy products from Whole milk.	(6)	1.4
B)	Give the flow - chart and explain very briefly the production of 'Dahi' by the standardized	metho	d.
		(6)	
	OR		
		(P.T.	0.)

c) Both a. & b. d) None of the above

a) It is not accurate

b) It is affected by temperature

8. Weighing of milk by volume is not followed because:

- A) What is cheese? Give the classification of cheese. Give the flow chart for the manufacture of B) Describe the following steps in cheese preparation:
 - Rennetting
 - ii) Cheddaring

(6)

(12)

- Short notes (any four) VI.
- 1. Grading of milk for various milk product preparation.
- 2. Vacreation
- 3. Different types of butter.
- 4. Processing for potato chips manufacture.
- Processing for chocolate and candy manufacture.
- 6. Soft drink preparation.