d. Phosphatase

2012-2015 TEXAS FFA MILK QUALITY AND PRODUCTS CDE TEST QUESTIONS

1)	a.	milk fat differential used in paying for raw milk is: The price to be added or subtracted per 1/10 % of milk fat above or below a set percentage A value established to penalize milk producers who have too much fat in their milk
		A value set to penalize milk producers who have too little fat in their milk The price to be added or subtracted per 50 percent of milk fat above or below a set percentage
2)	The	form of mastitis that is hidden from sight is known as
	b. c.	Infectious Clinical Acute Sub-Clinical
3)	a. b. c.	ch of the following will best control contagious mastitis? Pre-milking teat dip Barrier type teat dip Antibiotic teat dip Germicidal teat dip
4)	hours a. b. c.	Standard Plate Count (SPC) has a prescribed incubation time of at °C. 24 hours at 32°C 48 hours at 45°C 48 hours at 32°C 12 hours at 45°C
5)	princip a. b. c.	type of test for antibiotics, common adulterants of milk, is based upon the ble that the growth of bacteria is by them. Stimulated Enhanced Magnified Inhibited
6)	b.	test is used to detect if milk has been pasteurized properly. Lipase Coliform Standard Plate Count

7)	Milk provides	and	in approximately the same ratio
	as found in bone.	Magnasium	
	a. Calcium andb. Calcium and	•	
	c. Calcium and		
	d. Phosphorus a	-	
		and magnetalia	
8)	Which of the follow	ving is not a cause o	f coliform mastitis?
	a. Cracked or sp		
	_	soon after calving	
		ive water in washing	udders
	d. Slightly damp	, warm bedding	
9)	About provided by milk and a. 66%	 -	lcium available in the food supply is
	b. 76%		
	c. 86%		
	d. 96%		
		_	
10	•	•	e(s) the total supply of milk?
	a. Prices paid r	-	
	b. Manufacturing		
	c. Costs of fat pd. Foreign expo		
	d. Torcigit expo	113	
11) The pasteurized M	lilk Ordinance regula	ites what?
	a. Grade A mill		
	b. Manufacturin		
	c. Grade B milk		
	d. Grade C milk		
12) Dairy farmers can	buy and sell dairy fu	tures on what exchange?
	a. New York Sto		G
	b. National Dair	y Exchange	
		r, Coca Exchange	
	d. Chicago Mer	cantile Exchange	
13			rd of the National Academy of Sciences, grams of calcium per day.
	a. 100		
	b. 1000		
	c. 10,000		
	d. 100,000		

as ____

a. Blend pricesb. Regional pricesc. Mailbox pricesd. BFP prices

,	The cheese price series is based on 63 U.S. cheese plants that make 80-85 percent of the bulk Cheddar. What is the price series called? a. NASS Cheese Price Survey b. NASS Cheddar Cheese Price Survey c. NASS Swiss Cheese Price Survey d. U.S. Cheddar Cheese Price Survey
	What marketing tool would be used in the futures market by someone who owns a commodity such as milk and intends to sell it sometime in the future? a. Basis contract b. Pooling contract c. Short Hedge d. Speculating buyer
,	Farm water supplies must be protected from surface contamination. Water is usually tested for as an indicator of possible sewage contamination a. Proteolytic bacteria b. Lipolytic bacteria c. Coliform bacteria d. Psychotropic bacteria
17)	Specific gravity of milk at 60°F is a. 1.022 b. 1.032 c. 1.033 d. 1.042
18)	The International Dairy Federations (IDF) mission is to promote a. Scientific, cultural & economic progress b. Agricultural, technical & economic progress c. Technical, scientific & industrial progress d. Scientific, technical & economic progress
19)	USDA reports net prices received by dairy farmers for milk, usually the prices

are published on a map to show regional differences. The prices are referred to

	heck a. b. c.	"set aside" of \$0.15 per hundred pounds of milk from a milk producer's is used in programs that support Promotions & research Research & testing Teaching & promotion Promotion & teaching
21)	a. b. c.	It is the most popular size container used for fluid milk? Gallon Half Gallon Quart Five quart bulk
	nore a. b. c.	on and garlic are responsible for the garlic/onion off-flavor in milk, and are prevalent in pasture during Fall Spring Early and late summer Early spring and late fall
	nilking a. b. c.	mical sanitizers containing are most widely used for sanitizing equipment. Bromine Saline Chlorine Iodine
24)	a. b.	found in cows with a high somatic cell count would result in a decrease in Butterfat Whey protein Casein Trace minerals
25)	a. b. c.	is a good supplier of minerals except for Magnesium-Iron-Manganese-Copper Riboflavin-Magnesium-Lactose-Manganese Phosphorus-Copper-Zinc-Calcium Potassium-Boron-Iron-Calcium
26)	a. b. c.	terants of milk that are detrimental to human health are Proteins Pesticides Water Minerals

27)	a. b. c.	er added to milk is detected by checking the Acid degree value Sediment content Titratable acidity Freezing point
28)	a. b. c.	with low total solids will produce what off-flavor? Flat Malty Salty Acid
29)	a. b. c.	yoscopy is an important tool that test for in milk. Butterfat Antibiotics Pesticides Added water
30)	a. b. c.	is the only source of in nature. Calcium Phosphorous Lactose Fatty acids
	helf I a. b. c.	ch of the following is not an important reason for a five day-seven degree ife test? Psychotropic bacteria reproduce at this temperature Meaningful data can be available for control application in a reasonable time It lowers variability among cartons of milk The Temperature is at or near the maximum at which milk will be stored
	urfac a. b. c.	ideal cleaning material for removing milk stone from milking equipment es is Acidic detergent Phosphate Surfactant Chelate
	nillilite a. b. c.	somatic cell count standard for Grade A raw milk is or less per er of milk. 500,000 750,000 1,000,000 1,500,000

34) The ability of lipase in milk to attack milk fat and produce a rancid off flavor i enhanced by:	S
a. Excessive agitation of warm raw milk	
b. Poorly cleaned milking equipment	
c. Exposing milk to sunlight	
d. Feeding cows moldy hay	
35) Inwhen the Capper-Volstead Act was enacted, cooperatives were g	iver
the right and power to organize producers of a farm commodity to its fullest	
extent.	
a. 1829	
b. 1959	
c. 1729	
d. 1929	
36) The two most important etiologic agents of mastitis are	
a. Streptococcus agaiactiae and Staphylococcus aureaus	
b. Streptococcus uberis and Streptococcus dysgapactiae	
c. Pseudomonas aeruginosa and coliform bacteria	
d. Klebsiella and actinomycetes	
37) cause(s) off flavors in milk such as acid, high acid, or sour mil	lk.
a. Chemical adulterants	
b. Microorganisms	
c. Sediment	
d. Weeds	
38) Aflatoxins sometimes found in dairy feeds are produced by:	
a. Protozoa	
b. Bacteria	
c. Mold	
d. Yeasts	
39) With the exception of, all of the following off flavors of milk are caused by bacteria.	
a. Bitter	
b. Malty	
c. Yeasty	
d. Salty	

	The Grade A Pasteurized Milk Ordinance (PMO) specifies requirements for the production of Grade A raw milk for pasteurization and is recommended by
_	a. The Food and Drug Administration b. The Small Business Administration c. The U.S. Department of Agriculture d. The National Committee on Milk
41)	In Federal order markets, milk sold for consumption in fluid form is in
_	a. Class IV b. Class III c. Class II d. Class I
42)	Milk covered by Federal milk marketing orders is a. Grade A b. Grade B c. Grade C d. Grade A, B, C
43)	The largest percentage of the U.S. milk supply is utilized in the production of
_	a. Cream and specialty sales b. Cheese c. Frozen dairy desserts d. Evaporated, condensed and dry products
44)	Operating costs of Federal orders are paid by a. The State Department of Agriculture b. The Federal government c. The milk producers d. The milk handlers
45)	One objective of a federal order is to a. Assure all dairy farmers an adequate income b. Assure consumers an adequate supply of pure, wholesome milk c. Assure that all dairy plants receive an adequate supply of milk d. Prevent surpluses of milk in the marketplace
	Federal Definitions and Standards of Identity specify that Whole Milk contain not less than a. 3.00 percent milk fat and 8.25 percent solids-not-fat b. 3.50 percent milk fat and 8.50 percent solids-not-fat c. 3.50 percent milk fat and 8.00 percent solids-not-fat d. 3.25 percent milk fat and 8.25 percent solids-not-fat

,	oaste	eddar cheeses sold in the United States, which are not made from urized milk, must be ripened at least days. 30
		60
		120
		150
48)	The	establishment of a Federal milk marketing order is generally initiated by
-		Dairy farmers, through their cooperative association
	-	Milk handlers in the market Consumers
		Dairy farmers, milk handlers and consumers
		ilk order, including pricing and other provisions, becomes effective only
â		approval by
	_	Consumers Pairu formara
		Dairy farmers Milk processors
		Secretary of Agriculture
	minim a. b. c.	eral milk marketing orders give an active voice in determining num milk prices through public hearings. Milk activists Milk handlers Milk processors Milk consumers
		rules States adopt to govern the production, processing, packaging and
\$		ge of Grade A milk are based on
		The Code of Federal Regulations The Pasteurized Milk Ordinance and Code
		USDA Rules and Regulations
		The Pure Milk Act of 1937
52)	a.	vors of milk may be caused in general by Water content of the milk
		Temperature that milk is stored
		Feeds consumed by the cow Amount of sun light the cow receives
53)	The	major cause of the salty flavor in milk is
,		The large intake of salt by the cow
		Associated with sunlight exposure
		Mastitis
	d.	Bacteria

54)		is a test for rancidity.
·	a.	Acid degree value
	b.	Cryoscope
	C.	Disc assay
	d.	Titratable acidity
55)	Mas	titis in milk
	a.	Has a direct effect on cheese yield
	b.	May cause increased rancidity
	C.	Decreases calcium content
	d.	Increases protein content
		ch of the following is not one of the duties of the bulk milk hauler, who plays
a		cal role in milk handling?
		Checking milk temperature
		Making sure equipment has been cleaned correctly
		Examining milk to determine appearance Collecting a representative sample to be used for tests
	u.	Collecting a representative sample to be used for tests
57)	Milk	with an Acid Degree Value (ADV) of 1.0 or above will have a detectable
_		flavor.
		Rancid
		Malty
		Acidic
	a.	Fruity
58)		four primary taste sensations are
		Bitter, metallic, sour, sweet
		Bitter, salt, sour, sweet
		Metallic, salt, sour, sweet
	d.	Burnt, bitter, salt, sour
59)		ose is the principal in milk.
		Fat
		Protein
		Carbohydrate
	d.	Mineral
60)	The	most effective and economical means of reducing the exposure of cows to
r		is causing microorganisms is to
	_	Isolate animals with clinical mastitis
	b.	Disinfect or sterilize milking machine inflation's between cows
	C.	Wear rubber or plastic gloves during milking and disinfect the gloves
		between cows
	d.	Use a bactericide for disinfecting the teats after milking

 61) Most farm bulk milk tanks are designed for every-other-day (EOD) pickup and must cool 25 percent of the volume of the tank to degrees F within two hours after milking. a. 25 b. 45 c. 60 d. 70
 62) A consumer found an off-flavor in milk packaged in transparent plastic and exposed to high intensity fluorescent light. The off-flavor probably was a. High acid b. Bitter c. Oxidized d. Rancid (lipolyzed)
63) Which group of flavors cannot be detected by odor? a. Bitter, salty b. High acid, rancid c. Feed, garlic/onion d. Metallic/oxidized, malty
64) Milk used to make ice cream would be priced in what Federal Order class? a. Class I b. Class II c. Class II d. Class IV
 65) is the time after processing during which a dairy product normally remains suitable for human consumption. a. Code date b. Product life c. Package date d. Shelf date
66) The off flavor most likely to be found in milk that has not been cooled properly is: a. Sour b. Rancid c. Oxidized d. Bitter
67) The Babcock test is a rapid, simple and accurate test for: a. Water in milk b. Titratable acidity c. Fat content

d. Nonfat milk solids content

68)	To remove fat from milking equipment use: a. Alkaline cleaner in hot water b. Alkaline cleaner in cold water c. Acid cleaner in cold water d. Acid cleaner in hot water
69)	Quality of grade A milk is: a. Not controlled by Federal Orders b. The first consideration in pooling milk c. A part of the testing by Market Administrators d. Only checked if there is excess milk
70)	Federal Milk Marketing Orders provide or describe: a. Sanitary standards used for grade A b. Milk purchased by dealers c. Milk sold by farmers d. Payment made to milk producers for milk
	It takes approximately lbs. of whole milk to make one pound of whole nilk cheddar cheese. a. 5 b. 10 c. 13 d. 22
72)	Federal Milk Marketing Orders are a mechanism for: a. The most economical utilization of milk b. Finding a market for every producer's milk c. Economical transportation of milk d. Market stabilization
73)	Cow's milk contains percent lactose. a. Three b. Four c. Five d. Six
74)	For the maximum intake of calcium, one should consume a. Whole Milk b. 2% Milk c. 1% Milk d. Skim Milk

,	anno a. b. c.	le some extra-label drugs can be used by food-producing animals, others bt. Which of the following is/are an illegal drug(s)? Clenbuterol Penicillin Tetracycline Ivomec
76)	a. b. c.	fat in one serving of whole milk (8 ounces) provides calories. 85 90 95 100
77)	a. b. c.	most prevalent off flavor of fluid milk is Malty Oxidized Flat Feed
_	other a. b. c.	microbiological standard for Grade A raw from single procedure is bacteria per millimeter of milk prior to co-mingling with milk from producers. 200,000 150,000 100,000 50,000
t	o the equir a. b. c.	teurization is the process of heating every particle of milk and milk products minimum required and holding it continuously for the minimum ed in equipment that is properly designed and operated. Temperature and length Time and temperature Temperature and time Time and length
,	he m a. b. c.	major reason milk from cows treated with antibiotics must be withheld from ilk supply is because A large proportion of the human population is sensitive to antibiotics Antibiotics increase the somatic cell count of milk Antibiotics cause an off-flavor in milk Antibiotics kill some of the good bacteria found in milk

	chees a. b. c.	en cows have mastitis, the protein content of milk may be higher, but the se yield is lower because of a decrease in protein. Lysine Casein Tryptophan Whey
82)	a. b. c.	teria that survive specific heat treatment are said to be Psychotropic Coliform Psychrophilic Thermoduric
	he re a. b. c.	is exposure of hot milk or milk product to reduced pressure to affect moval of volatile substances, especially those that enter milk from feed. Vaporization Infusion heater Vacuumization Vac Pac process
84)	a. b. c.	gh acid flavor (sour) in milk is caused by Growth of bacteria in the milk Exposure of cows to acid rain Drinking hard water Absorption of acid from corn silage
85)	a. b. c.	enzyme is almost completely inactivated during pasteurization. Lactose Acid glycerol Alkaline phosphatase Free fatty acids
i	nto a called a. b. c.	boling method, where by, handlers with higher than average utilization pay and handlers with lower than average utilization receives payment from is Base excess pricing Louisville take out and pay back Individual handler pools Producer settlement fund
	cataly a. b. c.	absence of and is not an accident, because they would ze oxidation, their producing metallic or oxidized flavors. Lead-casein Boron-tin Iron-copper Zinc-brass

are	<u> </u>
	a. Mixture thickens with slight gelation
	o. Viscous gel forms, mass adheres to paddle
	c. Distinct precipitate forms, but no gel
	d. Slight precipitate forms and tends to disappear
	hich of the following is not a part of the establishment of a federal marketing
orde	er?
á	a. A public hearing is held for the producers-handlers and the public
	 Must be approved by 2/3 of the producers supplying 3/4 of the milk Cooperative associations of milk producers petition the U.S. Secretary of Agriculture
(A producer cooperative may vote all its members who deliver milk during a certain period.
fron	reduce the feed flavor in milk to acceptable levels, cows should be removed a offending feeds hours before milking. a. 1-2 b. 2-4
(c. 4-6
(d. 6-8
k	ne only persons regulated by federal orders are a. Farmers b. Truckers c. Handlers d. Retail store owners
	e increased use of bulk cooling and storage equipment has made
	eria the primary organisms in raw milk.
	a. Psychrophilic
	o. Coliform
	c. Staphylococcus
(d. Streptococcus
93)	is the cause of the rancid flavor in milk.
	a. Feeding high moisture corn
	p. Feeding haylage
	c. Storing milk in the sunlight
(d. Extreme agitation of raw milk

88) The CMT test results that indicate a somatic cell count of 400000 to 1500000

94)	a. b. c.	ch of the following does not promote metallic/oxidized off flavor in milk? Hypochlorite sanitizer Sunlight Fluorescent light
95)	Who	Copper ble milk contains percent protein. 1.5-2.5
	C.	2.5-3.5 3.5-4.0 4.0-4.5
96)	a. b. c.	ch of the following is not an objective of milk evaluation? Determining the presence of desirable characteristics Determining one brand of milk from another Determining whether one sample differs from another Determining presence and magnitude of undesirable characteristics
	namr a. b. c.	titis infecting microorganisms almost invariably gain entrance to the mary gland via the Caudal base Blind quarter Streak canal Feed
,	bnor a. b. c.	cup is a cup with fine wire mesh on top used to detect the presence of mal milk. Striated Mesh Streak Strip
	emov a. b. c.	needs to be applied to the teat end in order for a milking machine to ve milk. Massaging action Pulsation Vacuum Pressure
,	he ca a. b. c.	ch of the following four primary taste sensations is correctly matched with ausal agent? Salty-sugar Bitter-quinine Sweet-lactic acid Sour-table salt

101) Some streptococci that produce lactic acid also produce certain aldehydes, which impart a flavor. a. Malty b. Bitter c. Salty d. Metallic
 102) By using a with plastic beads of varying density, nonfat solids in milk can be rapidly estimated. a. Lactometer b. Hydrometer c. Humidoscope d. Polyscope
103) The two main proteins in milk are and a. Lactose, Lactalbumin b. Casein, Lactalbumin c. Ascorbic, Thiamin d. Colgate, Casein
104) Vitamin was first discovered in milk fat and is important to eyesight. a. A b. B c. C d. D
 105) Milk contains all the known vitamins and is an especially good source of a. Cyanocobalmin b. Riboflavin c. Ascorbic Acid d. Thiamine
106) Milk is a good source of all water-soluble vitamins except for a. Cyanocobalmin b. Riboflavin c. Ascorbic Acid d. Thiamine
107) is a milk process that makes milk more easily digested by those with a sensitive digestive system. a. lonization b. Evaporation c. Pasteurization d. Homogenization

,	amino acids are commonly found in milk proteins, including the
	ntial amino acids. 7
_	12
_	14
	19
winte	nmer milk has been estimated to contain 1.6 times as much vitamin as r milk. A
_	В
C.	C
d.	D
,	milk becomes the property of the buyer once
	The transport truck reaches the plant
	It is loaded into the transport truck on the farm
	The transport truck leaves the farm It is unloaded into the processor's bulk tanks
u.	it is unloaded into the processor's balk tanks
,	vs with have a higher incidence of mastitis because physical injury is
	likely.
	Sickled hocks Horns
	Lower foot angles
	Pendulous udders
112) Whi	ich of the following is untrue concerning the federal milk marketing orders?
•	They are legal instruments
	It is a uniform system of classified pricing
	Producers are not guaranteed a market
d.	Sanitary restrictions on production are imposed on producers.
	e or uniform price is determined by the proportion of the total delivery
	in products of these classes.
_	Classified
	Average Parity
	Blend
,	der federal orders, dairy farmers receive their milk checks Once or twice monthly
	Weekly
	Bi-monthly
	Directly from the FSA office

 115) To defray the cost of federal orders, handlers are assessed per hundredweight of milk received. a. 1-3 cents b. 2-5 cents c. 3-4 cents d. 15 cents
 116) Which is a true statement concerning federal milk marketing orders? a. Public hearings are held so that all interested parties may present their views. b. They remove the need for cooperatives. c. They are designed to weaken the bargaining power of single large dairy farmers. d. They assure the corrected weighting, testing and sanitary conditions of milk.
 117) The hormone oxytocin is released by the gland. This act stimulates the mammary gland. a. Pituitary b. Sweat c. Endocrine d. Vascular
118) Rubber parts readily absorb and need to be cleaned in an alkaline detergent. a. Protein b. Carbohydrates c. Milk fat d. Minerals
119) The main objection to dirt and milk stone on parts is a. Vacuum fluctuations b. Poor milkers function c. Poor looks d. Increased bacterial count
120) Badly dented or damaged milkers unit parts are caused by a. Strong chemicals b. Improper design c. Careless handling d. Solvents

121) By regulation, milk from cows treated with antibiotics usually must be withheld for hours. a. 48 - 72 b. 30 - 60 c. 48 - 108 d. 72 - 96
 122) Rules developed by the are designed to protect the health and welfare of consumers. a. United States Department of Agriculture (USDA) b. Protein and Lactose Organization (PLO) c. Future Farmers of America (FFA) d. Food and Drug Administration (FDA)
123) The standard plate count (SPC) estimates the total numbers of microorganisms. a. Mild b. Yeast c. Anaerobic d. Aerobic
124) The predominant bacteria of milk that produces lactic acid, which is responsible for the sour taste of milk are the: a. Streptococci b. Psychrophilic c. Coliform d. Streptococcus
125) The traditional method of pricing milk has used a milk fat differential of one tenth of one percent from a milk fat base of percent. a. 3.0 b. 3.2 c. 3.5 d. 3.7
126) The United States government purchases surplus from the commercial market under the dairy price support program. a. Fluid milk products, butter, cheese b. Cheese, nonfat dry milk, butter c. Butter, evaporated milk, ice cream d. Ice milk, yogurt, cottage cheese

127) The feed additive isoacid gives a maximum response in early lactation. a. 2 to 4 b. 4 to 6 c. 6 to 8 d. 8 to 10	pound daily milk response, with
 128) Mixture of milk and cream containing than 18 percent milk fat, is the definition a. Light whipping cream b. Light cream c. Half-and-half d. Heavy cream 	·
129) One of the mechanisms used by the Use from the supply is to subsidize manufactis called the a. Price Support Program b. Butter-Powder Formula c. Dairy Export Incentive Program d. Commodity Credit Program	cturers who sell overseas at a loss. This
 130) Under which of the following weather the greatest decrease in milk yield per of a. Cold and dry b. Hot and humid c. Cool and humid d. Warm and dry 	
131) Although milk from the cow is proceded food and contains about % so a. 3.5 b. 13 c. 76 d. 87	
132) Dairy cows need day dry tissue and restoration of body condition a. 30 b. 60 c. 90 d. 120	y periods for rejuvenation of secretory

d. 24

133) Due to high leukocyte counts, farmers should not use the CMT before the day after calving or test milk from cows that are being dried off. a. First b. Second c. Third d. Fourth
134) From the mid 1950's until 2009, the size of the U.S. dairy herd has: a. Decreased by 50% b. Remained static c. Increased by 50% d. More than doubled mirroring the population growth
135) From the mid 1950's until 2009, individual production per cow has: a. Remained static b. Increased by 50% c. Increased by100% d. Increased by 400%
136) The first milk produced after parturition is called: a. Colostrum b. Celestial c. Serial d. Coliseum
 137) Transitional milk is the label given to the milk produced in: a. One retail region and moved to another retail region for processing b. From the Colostrum stage to 11th milking which can not be legally marketed for human consumption c. From the truck to the holding silos, not yet in the production cycle d. Produced at the end of a lactation but before the cow is transitioned into the dried state
138) It requirespound(s) of milk to produce one pound of butter. a. 1 b. 11 c. 22 d. 33
139) It requirespound(s) of milk to produce one gallon of gourmet ice cream. a. 8 b. 12 c. 16

140)		revent milk fat from separating itself from the fluid portion of the milk is: Homogenized
		Pasteurized
	-	Sterilized
		Thermalized
141) I	Fat o	globules in raw milk average about in diameter:
,		1/25,000 of an inch, more or less 1 micron
		6/25,000 of an inch, more or less 6 microns
	C.	1/2,500 of an inch, more or less 100 microns
	d.	1/250 of an inch, more or less 1000 microns
		porated milk has been preheated to stabilize the protein, followed by the ral of:
16	_	30% of the water
		60% of the water
		90% of the water
	-	All of the fat
143) (Con	densed milk on the grocery shelf may have added.
,		Salt
	b.	Minerals
	C.	Sugar
		Cream
144)	The	major difference between Evaporated and Condensed milk is:
	a.	Evaporated milk has less water than condensed milk
	b.	Evaporated milk can be stored non-refrigerated, while condensed milk requires refrigeration
	C.	Condensed milk has a lower fat content than evaporated milk
		Condensed milk comes in smaller size containers than evaporated milk
145) I	Dry i	milk must have less than% moisture by weight.
	a.	5%
		10%
		15%
	d.	25%
146)	•	milk can be stored for long periods of time:
		In refrigerated vaults
		At temperatures above 150 degrees
		In an open container in the cabinet
	a.	In a sealed atmosphere of nitrogen or carbon dioxide

 147) "Cultured" in front of the name of a milk product indicates: a. Product is older and more mature b. Product is highly refined c. Product has appropriate bacteria added to it d. Product has been through a school and is more expensive
 148) A "acidified" label on a milk product indicates that the product was produced by a. Souring the milk b. Enriching the milk with added iron c. Cows consumed acid rain water d. Passing the milk through a reverse osmosis filtration system
 149) Cottage cheese from the grocery shelf must contain no less than: a5% fat b. 1% fat c. 2% fat d. 4% fat
 150) Low fat cottage cheese must contain a maximum of: a5% fat b. 1% fat c. 2% fat d. 4% fat
 151) Curd is theduring the cheese making process. a. A region which supplies substantial components required b. Material found in the stomach of young calves necessary c. Liquid portion at the bottom on the container that is hard to dispose of d. Custard-like substance formed at the top of the container
 152) Butter is made from milk and/or cream and must contain a minimum of: a. 5% fat b. 20% fat c. 50% fat d. 80% fat
153) Cottage cheese is a soft, unripened cheese with approximatelymoisture content. a. 20%
b. 50%
c. 80%
d. 100%

154) Pa	rmesan and/or Romano cheese are very hard grated/shaken cheese with moisture content.
a.	20%
b.	30%
C.	50%
d.	70%
	nnet is used in many milk products to produce a thicker bodied product.
	ral rennet comes from:
	Mines in Eastern China
	Microscopic plants growing the ocean
	Inside the stomach of young claves
d.	Composted cow manure treated with UV rays
156) Cul	tured sour cream is required by Federal standards to have a minimum of
a	 3.25% fat
	5% fat
	10% fat
	18% fat
prote a. b . c.	or Cream frequently develops a bitter flavor due to continued bacterial olytic enzyme activity when stored for more than: 1 week 3-4 weeks 6-8 weeks 10-12 weeks
befor minin a. b. c.	gurt is manufactured from fresh, whole, low fat or skim milk that is heated e fermentation. However, Federal standards require yogurt to have a num of fat fat 1% 2% 3.25%
a. b. c.	v-fat yogurt must have a minimum of fat and a maximum of fat. 1%, 4% .5%, 2.5% .5%, 2% 1%, 3.25%

160) Non-fat yo bulky flavor a5% b. 1% c. 2% d. 3.25		fat prior to the addition	of
161) Cream is minimum of a. 4% f. b. 10% c. 14% d. 18%	at fat fat	from the fluid milk that must co	ntain a
162) Heavy cre a. 10% b. 18% c. 30% d. 36%		a minimum milk fat of:	
	fat fat		d/or
a. Addi b. Rem c. Heat	t is the product resulting from: tion of extra fat to raw fluid milk noval of the butter (fat particle ting of both butter and milk to facial product produced using nor	s) form raw fluid milk cilitate the blending of them too	gether
a. Texa b. Texa c. New	es dominate the total U.S. chees as and California as and Florida York and Wisconsin consin and California	se production. These two states	s are:

- 167) Some soft serve frozen dairy products have replaced milk fat with:
 - a. Peanut butter
 - b. Honey
 - c. Fruits
 - d. Vegetable oil
- 168) By FDA definition of an imitation product, which of the following is NOT true:
 - a. Taste like the real product it represents
 - b. Has the same nutritional value as the real product it represents
 - c. Looks like the real product it represents
 - d. Imitation products are not regulated by the FDA
- 169) A substitute product by FDA definition meets all of the following statements except:
 - a. Taste like the real product it represents
 - b. Has the same nutritional value as the real product in replaces
 - c. Looks like the real product it represents
 - d. Imitation products are not regulated by he FDA
- 170) Some dairy food products have a "REAL" seal on the package. This seal cannot be placed on a package that does NOT adhere to the following standards.
 - a. Produced from U.S. milk
 - b. Meets federal and state standards
 - c. Imitation or substitute foods
 - d. Produced from NON-organic sources
- 171) Osteoporosis may be reduced by consuming adequate quantities of milk and/or milk products. Osteoporosis is the:
 - a. Inflammation of the skin cells causing hair loss and scaling of the skin
 - b. Deterioration of the soft tissue in the retina, leading to blurry vision and poor eye sight
 - c. Loss of bone mass due to decrease in the bone matrix and minerals
 - d. Development of a hard calloused layer of skin upon the sole of the foot
- 172) Properly processed UHT milk may be stored at room temperature for:
 - a. 24-28 hours
 - b. 10-15 days
 - c. Several weeks
 - d. 6 months
- 173) Milk sold through commercial outlets is certified to be from herds free of:
 - a. B.S.T.
 - b. Displaced Abomasums
 - c. Broken Udder Suspensory Ligaments
 - d. Tuberculosis

should a. b.	umans may contract from using raw co uld the animals have brucellosis. a. Undulant fever b. Mumps c. Whooping cough	ows' or goats' milk,
	d. Night blindness	
exam _l a. b. c.	ilk is produced from female's mammary glands. These maples of a: a. Adrenal gland b. Excretory gland c. Absorbatory gland d. Exocrine gland	nammary glands are
a. b. c.	ne secretory tissue within the mammary gland is a grape a. Alveoli b. Clitoris c. Glanus cistern d. Annular ring	like structure called:
a. b. c.	ne California Mastitis Test (CMT) asks that you used only a. Colostrum b. Milk after dry-off c. The first stream during milking d. The 2 nd stream during milking	ymilk.
a. b. c.	ow many cc's of milk is required for the CMT? a. 6 cc b. 4 cc c. 2 cc d. ½ cc	
a. b. c.	ne CMT should be read within a. 10 sec b. 20 sec c. 30 sec d. 40 sec	
a. b. c.	hat is the healthiest range for somatic cell counts? a. 400,000-1,200,000 b. 200,000-400,000 c. 0-200,000 d. 5,000,000+	

ised and Fina	Ilized 10-25-11
interpi a. b. c.	e CMT has a somatic cell count of 1,200,000 to 5,000,000 what is the retation? Serious mastitis Subclinical mastitis Negative (healthy) None of the above
a. b. c.	at does HACCP stand for? High Altitude Computer Control Protocol High Aptitude Critical Consideration and Punctuality Help Animals in Confined Conditions and Preserves Hazard Analysis and Critical Control Points
consider a. b. c.	must be help at 191 degrees F for to be dered pasteurized 30 minutes 1 second 2 seconds 5 minutes
a. b. c.	ording to HACCP, what is a receiving station? Where supplies are received Where trucks receive milk Anywhere raw milk is received, handled, stored, etc Where cows enter to be milked
a. b. c.	often will HACCP inspect each Dairy Farm? A minimum of every 6 months A minimum of once each year A minimum of once each month A minimum of every 2 years
minim——————————————————————————————————	en sanitizing milking equipment with water, the temperature must be a um of 170 degrees F and the utensils are to be under the flow of water for minutes. 10 15
C. d .	1 5

- 187) Milk protein allergies are a form of milk intolerance. These generally occur only in infants and is usually outgrown by:

 a. 6 month of age

 b. 12 months of age

 - c. 18 months of age
 - d. 24 months of age

- 188) Low levels of the enzyme lactase may lead to lactose intolerance. Symptoms of lactose intolerance include ALL of the following EXCEPT:
 - a. Headaches
 - b. Nausea
 - c. Diarrhea
 - d. Abdominal cramps
- 189) The maximum moisture content of Cheddar cheese is:
 - a. 12%
 - b. 23%
 - c. 30%
 - d. **39%**
- 190) An example of an extra hard cheese is:
 - a. Parmesan
 - b. Muenster
 - c. Ricotta
 - d. Brie
- 191) To add the mold to the blue cheese it is mainly:
 - a. Injected into the cheese
 - b. Grown on the cheese
 - c. Mixed in the whey mixture
 - d. None of the above
- 192) What is the average fat content of Brie?
 - a. 15%
 - b. 30%
 - c. 45%
 - d. 65%
- 193) Cream cheese is different from cottage cheese because:
 - a. Cream cheese is an acid curd and cottage cheese is not
 - b. Cream cheese is made from cows' milk and cottage cheese is not
 - c. Cream cheese requires a started culture of bacteria and cottage cheese does not
 - d. All of the above are true for both Cream cheese and cottage cheese
- 194) Gouda can be described by all of the following except:
 - a. Semi-hard
 - b. Yellow colored
 - c. Rind coating
 - d. Tart flavor

195) Mor	Iterey Jack cheese has a maximum moisture content of%
a.	24
b.	36
C.	44
d.	60
196) To r	nake Mozzarella cheese the pasteurized milk is curded at degrees F.
a.	45
b.	88
C.	145
d.	190
197) The	advantage of making processed cheese is:
•	Better taste
b.	Marketing
C.	Extended shelf-life
d.	All of the above
198) The	current U.S. per capita consumption of milk is approximately gallons
per ye	
	15
	20
	25
d.	28
•	ay, an average dairy cow produces approximately quarts of milk per
	nnually. 5500
	6500
	6800
	8800
200) In w	hat year were Federal milk-marketing orders reformed?
•	1995
	2000
	2002
	2004
201) Milk	marketed, today as low-fat milk has no more than% milk fat.
•	3.25
b.	2.5
C.	2
А	1

202) The milk.	e whey proteins in milk constitutes about	_% of the protein found in
	. 10	
	. 15	
	18	
	. 20	
203) Ado	olescents have a recommendation of	milligrams of calcium per
day.		
	1000	
	. 1200	
	1300	
d.	. 1500	
•	itamin A is added to milk, it must be at a level national units (I.U.) per quart.	of no less than
	400	
	1000	
	1500	
	2000	
205) Butt	ter production now accounts for% of	the total milk supply.
	. 8	,
b.	. 15	
C.	. 18	
d.	25	
206) Ligh	ht whipping cream has a minimum of%	milk fat.
a.	. 18	
	. 30	
	35	
d.	. 40	
	day, milk that has been ultra pasteurized must degrees F for at last seconds.	have been heated at or above
	. 191, 2	
	212, 3	
	260, 2	
d.	280, 2	
	akes approximately pounds of skim milk	to make a pound of dry curd
	ge cheese.	
	4.3	
	. 7.3	
	7.8	
u.	. 8.6	

209) It tak dry-mi	kes approximatelypounds of skim milk to make one pound of non-fat lk.
•	10
	11
C.	12
d.	20
210) The	leading state in 2009 in pounds of milk per dairy cow was:
a.	New Mexico
b.	California
C.	Arizona
d.	Wisconsin
211) The	national average milk production per cow in the U.S. is approximately pounds per year.
a.	18,400
b.	19,500
C.	20,500
d.	22,600
212) Nea	rly% of the U.S. milk supply is used in the production of cheese.
a.	15
b.	30
C.	35
d.	40
-	milk accounts for% of the U.S. milk supply.
_	15
	20
_	22
d.	25
•	top ten states in the U.S. now account for about% of the total milk
supply	
	50
	60
	65
d.	75
215) The	leading state in total milk production is?
	Wisconsin
b.	Minnesota
C.	California
d.	New York

216) Which fluid milk product accounted for the largest use of fluid milk production sales?
a. Flavored milkb. Reduced/low-fat milkc. Non-fat milk
d. Whole milk
217) Ice cream, including both hard and soft serves, represents% of the entire frozen dairy product market. a. 20-22 b. 25-26 c. 28-30 d. 30-32
 218) Which month during the year is the highest production month for ice cream? a. March b. September c. June d. August
219) California is the leading state in production of ice cream, which state was second? a. Texas b. Indiana c. Minnesota d. Colorado
 220) Which of the following states listed is NOT in the top five for production of cheese? a. Idaho b. Wisconsin c. Minnesota d. New York
221) The top five state in the production of cheese accounted for almost% of all U.S. cheese production. a. 29 b. 42 c. 51 d. 69

222) The	largest production of Italian cheese went to the production of cheese.
a.	Cheddar
_	Brie
	Mozzarella
d.	Provolone
	ch one of the following "selected dairy products" has the greatest
•	ction in the U.S.?
	Non-fat dry milk Butter
	Yogurt
	Evaporated milk
a. b. c.	pound per capita of reduced and low-fat milk was pounds/year. 32 45 50 85
225) The	largest increase per capita in all dairy products in 2009 was:
•	Cheese
b.	Yogurt
	Low-fat milk
d.	Ice cream
produ a. b. c.	ording to USDA's economic research service, total per capita of all fluid cts was approximately pounds. 110 137 163 177
soft a a. b. c.	roximately% of the frozen dessert market was ice cream. (Hard and low-fat/non-fat) 56 60.5 70.7 86.7
chees a. b. c.	e than % of American household purchase cheese; including cream e. 69 78 86

a. b. c.	ese consumption in the U.S. was approximatelypounds per capita. 36 45 51
a. b. c.	two most popular cheese varieties in the U.S. are? Cheddar and Monterey Jack Cheddar and Colby Cheddar and Mozzarella Cheddar and Swiss
a. b. c.	Italian cheese with the second largest per capita consumption was? Parmesan Provolone Romano Ricotta
a. b. c.	largest supermarket sales of cheese by type was: Cheddar Mozzarella Processed American Colby Jack
down a. b. c.	009, the annual farm milk price was about \$ per hundredweight, \$5.60 per hundredweight from 2008. 10.80 12.80 14.10 15.50
averaç a. b. c.	milk-feed price ration (which relates the value of milk to the cost of feed) gedin 2009 far below the 1999-2008 values. 1.78 1.9 2.69 2.89
to 200 a. b. c.	minimum price for all four classes of milk from the farm in 2009 compared 8: Increases slightly Increased a large amount Remained the same Decreased

236) The	average Federal order price per hundredweight in 2009 for class 1 milk
	dollars per hundredweight.
	10.89
	11.36
	13.10
d.	14.40
237) The	2009 dairy export value was over 2 billion dollars down approximately % over 2008.
a.	28
	30
C.	40
d.	52
238) The	largest total exported dairy product by volume in 2009 was:
	Cheese and curd
	Dry whey
	Non-fat dry milk
	Lactose
239) The	country that was the largest purchaser of U.S. dairy products in 2009 was?
•	Canada
b.	China
	Mexico
	Japan
240) Five	countries accounted for approximately% of the total U.S. dairy
expor	
•	39
	59
	69
	79
241) The	largest U.S. exports of a dairy product by dollars were?
,	Non-fat dry milk
	Cheese and curd
C.	Whey and whey products
	Lactose
242) The	U.S. also imports certain dairy products. The dairy products imported
,	accounted for the largest dollar value was?
	Dry whey
	Milk protein concentrates
	Casein and casein products
	Cheese and curd

243) Beh	ind the U.S., the country, which averages the largest production per cow, is
a.	 Japan
	Canada
C.	Australia
d.	Argentina
244) The	country which imported the largest amount of U.S. ice cream and related
•	icts was:
	Canada
	Japan
	Russia
d.	Mexico
,	minimum fat content of cheddar cheese is?
	20
_	33
	40
d.	50
	cheese that has maximum moisture of 45% and a minimum of 45% fat and
	asta filata cheese is?
	Swiss
	Mozzarella
	Provolone
a.	Cheddar
	sodium cheddar cheese contains no more thanmilligrams of
	m per pound of finished food.
	56
	45
	96
a.	105
248) Whi	ch of the following cheeses did NOT originate in Italy?
	Edam
	Parmesan
	Provolone
d.	Mozzarella
•	nterey Jack cheese has a moisture content of 44% percent and a minimum
of	% fat. %
a. h	45
	33
	50
٠	

 250) If the dairy ingredients to be pasteurized have a fat content of 10% or more, the specified temperature shall be increased bydegrees F. a. 2 b. 3 c. 5 d. 10
251) Which of the following cheese is a unripen variety? a. Bleu b. Cream c. Brie d. Parmesan
252) One serving (8oz) of milk has aboutmilligrams of calcium. a. 90 b. 150 c. 200 d. 250
253) Ice cream must weight a minimumpounds to the gallon. a. 3.5 b. 4.5 c. 5.0 d. 5.25
 254) The natural lipase enzyme contained in all raw milk is kept away from milk fat globules, thus preventing development of rancidity because the: a. Fat globule membrane, a protective layer, covers the fat globules b. The major protein, casein, ties up the lipase c. Fat globules are too small to attract the enzyme until they are homogenized d. Enzyme has to be activated by the heat of pasteurization
 255) Cooperatives Working Together (CWT) is theprogram that aims to strengthen and stabilize milk prices by balancing supply and demand. a. State funded b. Farmer-funded c. Federal-funded d. None of the above
 256) How long should Calf hutches be left empty between calves to prevent disease spread? a. 2 to 3 days b. 3 weeks c. 10 to 14 days d. 1 month

- 257) What stomach is a magnet typically used in to remove metal objects that cause Hardware disease?
 - a. Abomasum
 - b. Omasum
 - c. Reticulum
 - d. Rumen
- 258) Body condition scoring is one way to measure cow health. What is the ideal score for a milking cow?
 - a. 1
 - b. 3
 - c. 4
 - d. 5
- 259) The decision of a milk hauler to accept or reject milk at the producing farm:
 - a. Depends on knowledge of milk quality and ability to smell off odors
 - b. Must always be confirmed by tests for acidity
 - c. Must be made the day before pickup is scheduled
 - d. Both a & b
- 260) For every pound of dry matter, cows should consume how much water?
 - a. 1 to 2 pounds
 - b. 4 to 5 pounds
 - c. 10 to 15 pounds
 - d. 25 to 30 pounds
- 261) Which of the following fatty acids found in milk have been associated with health benefits in humans?
 - a. Oleic acid
 - b. Conjugated Linoleum Acid
 - c. Butvric Acid
 - d. Lactic Acid
- 262) What technology destroys 90 percent of BST found in milk?
 - a. Pasteurization
 - b. Homogenization
 - c. Hormonization
 - d. Reverse osmosis
- 263) What method of manure application is best to fully utilize nutrients, reduce risk of runoff, and lower odor complaints?
 - a. Injecting
 - b. Broadcasting
 - c. Surface application
 - d. Flood application

- 264) At refrigerated temperatures, butter will begin to lose some of its natural flavor after how long?
 - a. Within 2 months
 - b. Within 6 months
 - c. Within 1 year
 - d. Butter will not lose its natural flavor when stored properly
- 265) Why do protein and amino acids go hand in hand?
 - a. Amino acids and proteins need to be found in a 2:1 ratio in all diets
 - b. Proteins are the building blocks of amino acids
 - c. Amino acids are the building blocks of protein
 - d. Proteins link to amino acids in bone formation
- 266) When performing a CMT test, watch for color changes and gel formation. Milk from a normal quarter does which of the following?
 - a. Forms a gelatinous mass clinging together in a strong reaction
 - b. Flows freely without change in viscosity
 - c. Forms small clumps in a moderate reaction
 - d. Turns a deep purple color
- 267) New food plate guidelines recommended how many servings of dairy products per day?
 - a. 5
 - b. 2
 - c. 4
 - d. 3
- 268) What disease is caused by a worm that is taken up as larvae by cattle eating grass, penetrates the gut, and eventually matures to adult form in the respiratory tract?
 - a. Tuberculosis
 - b. Heartworm
 - c. Trichinosis
 - d. Lungworm
- 269) Which of these is a good nutritional strategy to maintain milk production in hot weather?
 - a. Feed more grain
 - b. Increase protein concentration
 - c. Add more fat
 - d. Milk slower

- 270) There are four classes of milk under federal orders and they provide for
 - a. Classification according to the relative safety of each class
 - b. Payment for milk according to its quality
 - c. Payment for milk according to its cost of production
 - d. Payment for milk according to its end use
- 271) Based on ice cream consumption figures, the second most popular flavor is
 - a. Strawberry
 - b. Cookies n' cream
 - c. Vanilla
 - d. Chocolate
- 272) Under Federal milk marketing orders Class III milk is used to make
 - a. Ripened cheeses
 - b. Cottage cheese
 - c. Butter and dry milks
 - d. Ice cream
- 273) According to a report compiled by the Institute for Food Technologists, is now America's favorite at-home snack.
 - a. Cheese
 - b. Yogurt
 - c. Ice cream
 - d. Chocolate Milk
- 274) In regards to commodities, what best defines hedging?
 - a. Taking no action
 - b. The act of buying and selling stock
 - c. The act of protecting yourself against price possibilities
 - d. The act of buying and selling commodities
- 275) When it comes to fertilizing fields, what three nutrients are known as the "secondary nutrients"?
 - a. Calcium, nitrogen, and water
 - b. Calcium, sulfur, and magnesium
 - c. Nitrogen, phosphorus, potassium
 - d. Potassium, phosphorus, and zinc
- 276) A fluid milk product that contains at least 8.25% nonfat milk solids and no more than 0.5 gram of fat in a single serving of 8 fluid ounces is called
 - a. Milk
 - b. Low-fat milk
 - c. Nonfat milk
 - d. Reduced fat milk

- 277) What household cleaning agent has been found to cut odor in livestock manure by USDA-ARS scientists?
 - a. Baking soda
 - b. Borax
 - c. Dish soap
 - d. Window cleaner
- 278) The off-flavor that is seldom found except in pasteurized milk that has been stored too long is
 - a. Foreign
 - b. Unclean
 - c. High acid
 - d. Feed
- 279) According to the American Veterinary Medicine Association, what is the preferred method of dehorning cows?
 - a. Caustic paste
 - b. Cauterizing veins
 - c. Gauging
 - d. Disbudding
- 280) What field vegetable can be a cheap replacement for soybean meal and corn grain?
 - a. Sugar beets
 - b. Sweet corn
 - c. Field peas
 - d. Almonds
- 281) How many years does it take for a dairy farm to fully transition to become certified organic?
 - a. 1
 - b. 3
 - c. 5
 - d. 7
- 282) What is the largest cost on most U.S. dairy farms?
 - a. Feed
 - b. Fuel
 - c. Labor
 - d. Veterinary fees

283) In cows,	salmonellosis	infections a	are most	common	in those	that have	calved
within							

- a. 2 days
- b. 10 days
- c. 20 days
- d. 50 days
- 284) The Standard of Identity for ice cream requires that it contain a minimum of _____ percent milk fat
 - a. 10
 - b. 12
 - c. 14
 - d. 16
- 285) Which of the following is an example of value-added agriculture?
 - a. A farm that markets an "Ozark brand" of cheese
 - b. Purchasing milk from a local producer
 - c. Using a custom heifer raiser
 - d. Drinking raw milk
- 286) Farm marketing cooperatives have been in existence since the early
 - a. 1800's
 - b. 1900's
 - c. 1700's
 - d. 1920's
- 287) Federal Milk Marketing Orders affect prices consumers pay for fresh milk in grocery stores by:
 - a. Adjusting them according to demand
 - b. Adjusting them according to supply
 - c. Leaving them to be determined in the marketplace
 - d. Setting them only once yearly
- 288) What percent of exported U.S. dairy products are sold without a subsidy?
 - a. 0 %
 - b. 50 %
 - c. 80 %
 - d. 95 %
- 289) Dairy farmers receive what percent of the sale of a half-gallon of milk?
 - a. 46 %
 - b. 15 %
 - c. 26 %
 - d. 96 %

- 290) Demand for dairy products is typically the lowest in
 - a. Spring
 - b. Summer
 - c. Fall
 - d. Winter
- 291) What percent of today's youth consume the recommended amount of dairy products?
 - a. 10%
 - b. 30%
 - c. 50%
 - d. 75%
- 292) Milk that is used to make butter is classified as which class in Federal Orders?
 - a. Class I
 - b. Class II
 - c. Class III
 - d. Class IV
- 293) Milk prices on average are the lowest in
 - a. Summer
 - b. Fall
 - c. Spring
 - d. Winter
- 294) The Federal Orders of today are based on the Agricultural Agreement Act of
 - a. 1927
 - b. 1947
 - c. 1937
 - **d.** 1966
- 295) The practice that distributes payments for milk among the producers within a specific Federal Milk Marketing Order is called
 - a. Pool pricing
 - b. Classified pricing
 - c. Support pricing
 - d. Differential pricing
- 296) What piece of legislation made farmer cooperatives legal?
 - a. Sherman Act
 - b. Capper-Volstead Act
 - c. Farm Bill
 - d. Barkley Act

297) To b	be labeled made with organic ingredients a dairy product must
conta	in percent or more organic ingredients.
a.	100
b.	90
C.	80
d.	70
,	reason that testing of milk is done in laboratories of the USDA Milk Market
Order	- ·-·
	To assure safety of the supply
b.	To provide accurate accounting for amounts of milk solids sold in the order
C.	To make sure food and drug law is followed
d.	To provide data for the US Statistical Reporting Service
299) Milk	traits, i.e. fat, protein, SNF, and etc., tend to have a heritability of about
a.	Less than 10%
b.	20-30%
C.	40-50%
d.	More than 50%
300) Cow	s treated with BST typically show an increase of in daily milk
produ	ction.
a.	2%
b.	10%
C.	20%
d.	30%