Milk Quality and Products Career Development Event Milk Production

2018

1.	Antibiotics are not permitted in milk because									
	A.	. they artificially lower bacteria counts								
	В.	off flavors are produced								
	C.	fat becomes rancid								
	D.	some persons are hypersensitive	to certai	n antibiotics						
2.	Adulterati	on of milk with water is unlawful a	nd can be	e detected by testing for						
	A.	titratable acidity	C.	a high freezing point						
	В.	total milk solids	D.	somatic cells						
3.	The ideal o	cleaning agent for removing milkst	one from	equipment surfaces is						
	A.	acidic detergent	C.	chelating agent						
	В.	phosphate	D.	surfactant						
4.	The micro	biological standard for unpasteuriz	ed Grade	A milk is bacteria or less per						
	milliliter o	f milk								
	A.	50,000	C.	100,000						
	В.	75,000	D.	750,000						
5.	The princi	pal protein in milk is								
	A.	whey protein	C.	crude protein						
	В.	casein	D.	lactoglobulin						
6.	Compared to a Holstein cow, on a per gallon of milk basis, the average Jersey cow produces									
	A.	more fat and total milk solids	C.	less fat and total milk solids						
	В.	more fat but less total solids	D.	less fat but more total milk						
7.	Raw milk s	somatic cell count must be	or less t	o meet Grade A government standards in						
•	the United		_ 01 1033 0	o meet drade A government standards in						
	A.	100,000	C	400,000						
	В.	250,000		750,000						
8.	The activit	cy/inactivity of the enzyme is	s the basi	s for confirming the adequacy of						
	pasteuriza	tion of milk								
	Α.	phosphatase	C.	peroxidase						
	В.	lipase	D.	catalase						
9.	Aflatoxins	sometimes found in milk are prod	uced on c	orn by						
	A.	bacteria	C.	molds						
	В.	viruses	D.	yeast						

10.	Poor quali	ty forage will cause	_ in n	nilk to decrease significantly.			
	A.	somatic cells	C.	casein percentage			
	В.	bacteria counts	D.	fat percentage			
11.		emperature must a farm bulk tank, or on the hours of the end of milking?	coolin	ng plate, have the capacity to chill milk			
	Α.	≥ 50 °F	C.	≈40 °C			
	В.	≤45 °F	D.	≤42° <i>K</i>			
12.	The Califo	rnia Mastitis Test (CMT) test detects _		in raw milk.			
	A.	bacteria	C.	somatic cells			
	В.	red blood cells	D.	antibiotics			
13.	The off-fla	vor in milk generally caused by exposu	ıre to	sunlight or fluorescent light is			
	A.	rancid	C.	acid			
	В.	oxidized	D.	malty			
14.	Raw milk somatic cell count must be or less to meet export standards required by the						
	-	Union (EU).	_				
	Α.	100,000	C.	400,000			
	В.	250,000	D.	750,000			
15.		ng a cow's teats helps control					
	A.		C.	3			
	В.	milk flow	D.	antibiotics			
16.	What milk quality test measures organisms that grow at low temperatures, called						
		ophic organisms, which often cause pro					
	Α.	Standard Plate Count	C .	•			
	В.	Coliform Count	D.	Lab Pasteurization Count			
17.	-	,		percent water.			
	A.	3.7		87			
	В.	50	D.	92			
18.	What is th	e greatest milk production cost on mo	st dai				
	A.	feed	C.	milking supplies			
	В.	labor	D.	A.I. breeding supplies			
19.	What horr	mone is naturally released by the cow	to stii	mulate milk letdown?			
	A.	oxytocin	C.	estrogen			
	В.	progesterone	D.	adrenaline			
20.	The ability	of lipase to attack milk fat and produc	ce a r	ancid off-flavor is enhanced by			
	A.	feeding cows moldy hay					
	В.	excessive agitation of warm raw mil	lk				
	C.	exposing milk to sunlight					
	D.	poorly cleaned milking equipment					

21.	The document used by the U.S. dairy industry that contains the rules for producing today's fresh								
	pasteurized milk supply is								
	A.	A. The Code of Federal Regulations							
	В.	Standard Methods for the Examination of Dairy Products							
	C.	The Grade A Pasteurized Milk Ord	inance (PMO)					
	D.	The Codes Alimentarius of the Wo	orld Heal	th Organization					
22.	The two most important diseases of cattle transmissible to man through milk are								
	A.	scarlet fever and Q fever							
	В.	tuberculosis and anthrax							
	C.	brucellosis and scarlet fever							
	D.	tuberculosis and brucellosis							
23.		n there are no clinical signs, a cow's is greater than how many cells/ml?	milk pro	duction begins to decline when its somation					
	A.	100,000 cells/ml	C.	400,000 cells/ml					
	В.	200,000 cells/ml	D.	750,000 cells/ml					
	ь.	200,000 censy iiii	υ.	750,000 cens, iiii					
24.	The major	result of storing milk cold is the							
	A.	stopping of all bacterial growth							
	В.	slowing of bacterial growth							
	C.	killing of all bacteria							
	D.	killing of all microorganisms							
25.	componentin a cow's	lairies in the U.S. the value of milk into the lats (milkfat and protein). Milkfat de diet. too much unsaturated fats not enough unsaturated fats	-	· ·					
	C.	too much fiber							
	D.	too much fatty acids							
26.	One gallor	of milk weighs approximately		pounds.					
	A.	5.5	C.	8.6					
	В.	7.8	D.	10.1					
27.		najor nutritional source of which mining bones and teeth?	neral tha	at combined with vitamin D and exercise					
	A.	calcium	C.	phosphorous					
	В.	iron	D.	potassium					
28.	causing ba	<u> </u>		because it flushes potential mastitis- s you to observe early signs of clinical					
	A.	predipping	c.	postdipping					
	В.	forestripping	D.	drying					
	D.	ioi cati ippilig	D.	wi yilig					

- 29. Bulk tanks that are used to store raw milk should have what mechanical component to assure thorough mixing of the milk to prevent fat separation?
 - A. thermometer
 - B. agitator
 - C. air vent
 - D. automated control box
- 30. Cracked and blistered rubber parts of milking machine are likely to cause
 - A. high bacteria counts of milk
 - B. oxidation of milk
 - C. rancid flavor in milk
 - D. high freezing points of milk

Milk Quality and Products Career Development Event **Milk Production**

2018

Answer Key

- 1. D
- C 2.
- 3. Α
- C 4.
- 5. В
- 6. Α
- 7. D
- 8. Α
- C 9.
- 10. D
- 11. В
- **12.** C
- **13.** В
- C 14.
- **15.** Α
- 16. C **17.**
- C
- 18. Α
- 19. Α
- 20. В
- C 21.
- 22. D
- 23. Α
- 24. В Α 25.
- 26.
- C 27. Α
- 28. В
- 29. В
- 30. Α

Milk Quality and Products Career Development Event Milk Marketing

2018

31.	The reason Federal Milk Market Administrators test Grade A milk for composition and audit								
	records of purchases by handlers is to								
	A.	ensure an adequate supply of pure and wholesome milk for the consumer							
	В.	ensure a market for milk							
	C.	help handlers with their business affairs							
	D.	keep governn	nent ir	formed					
32.		Milk Marketing (of the af	fected	
	milk to the proposed marketing area approves its implementation.								
	A.	, , , , , , ,							
	В.	producers supplying							
	C.	cheese proces		_					
	D.	handlers proc	essing						
33.	To make o	ne gallon of ice	cream	requires appro	oximate	ly pound	s of who	le milk.	
	A.	8	В.	12	C.	22	D.	44	
34.	Which of t	he following flav	ors of	ice cream is th	ne most	popular, by	sales volu	ıme?	
	A.	Raspberry	В.	Strawberry	C.		D.	Chocolate	
35.	protein tha	an plant-based b	evera	ges, like almon	ıd milk.	In addition,	milk prot	times more tein is a complete	
	protein, w	hile most plant _ا	orotei	n sources are n	nissing s	some of the a	mino aci	ds your body nee	ds.
	A.	2	В.	8	C.	20	D.	31	
36.	As dairy co	w numbers rece	ently c	limbed to a 22-	-year hi	gh point duri	ng 2017,	dairy farm numb	ers
	reached a	modern-day low	of ap	proximately		farms.			
	Α.	30,000			C.	45,000			
	В.	40,000			D.	55,000			
37.	The Coone	ratives Working	Togel	her (CWT) Pro	gram fo	cuses on sale	s of wha	t two dairy	
37.	products?	ratives working	Toget	ilei (CVVI) I IO	Бі аін то	cuses on saic	3 OI WIIA	t two dan y	
	Α.	cheese and bu	tter		C.	ice cream a	nd chees	e	
	В.	yogurt and mil	k		D.	butter and	milk		
38.	A milk pro	ducer would rec	eive tl	ne maximum p	rice for	milk delivere	d within	a milk marketing	
	order if all	of it was used to	o mak	e				_	
	A.	dry whole mill	(C.	mozzarella	cheese		
	В.	ice cream			D.	pasteurized	l milk		

39.	What is the process called that disintegrates fat globules in milk in order to reduce the								
	separation of cream? The fat globules are typically broken down by forcing the milk through a								
	small passage at a high velocity.					_			
	A.	pasteurization			C.	homogeniz			
	В.	ultra-pasteuriza	ation		D.	standardiz	ation		
40.		dairy product pric		e largely dete	ermined l	by export op	portunitie	es and greatly	affect
	the milk pr	ice paid to farme							
	Α.	Nonfat dry milk	c and	skim milk po	wder				
	В.	Cheese and skir	m mil	k powder					
	C.	Ice cream and whole milk							
	D.	Nonfat dry milk	c and	yogurt					
41.	To make o	ne pound of butte	er req	uires approx	imately _	ро	unds of w	hole milk.	
	A.	8	В.	12	C.	22	D.	44	
42.	Dairy Prod	uct imports into t	he U.	S. comprised	d p	ercent of U.	S. industr	y product sal	es in
	2017. USD	A projects that pe	ercen	t to hold stea	ady for 20)18 .			
	A.	3	В.	15	C.	25	D.	30	
43.	What piece of legislation made farmer cooperatives legal?								
	Α.	Sherman Act			C.	Farm Bill			
	В.	Capper-Volstea	d Act		D.	Barkley Ac	t		
44.	Over half o	f the top 50 U.S.	dairy	cooperative	s belong	to a federat	ion that is	dairy farmers	s' chief
	lobbying vo	lobbying voice in the nation's capital. What is the name of the federation?							
	Α.	International D	airy F	ederation					
	В.	Dairy Farmers o	of Am	erica Federat	tion				
	C.	National Milk Producers Federation							
	D.	International D	airy F	oods Associa	ition				
45.		to make ice cream		-				Class IV	
	Α.	Class I	В.	Class II	C.	Class III	D.	Class IV	
4.0	The section		- d - !			lin the Clear	- III d IV		da ia
46.		cost of producing .	guairy	y products th	at is used	in the class	s III and IV	pricing formi	iia is
	A.	milk-feed ratio	nrice		C.	Federal Or	der nrice		
	В.	cooperative bo	-	remium	D.		-		
47.	Dividing th	e total dollars a d	lairy l	nas in assets	by the nu	ımber of cov	ws determ	ines which	
	economic i	ndicator?							
	A.	equity			C.	debt per co	ow		
	В.	total investmen	nt per	cow	D.	debt to ass	set ratio		

48.	Under several Federal Milk Marketing Orders, milk is priced based on the amount of						
	Α.	water and free fatty acids					
	В.	mastitis and aflatoxins					
	C.	bacteria counts of milk and antibio	tics				
	D.	fat, protein, and other solids					
49.	Federal Mi	lk Market Orders provide	to dis	stribute moneys fairly among producers			
43.		milk to a market	to als	stribute moneys fairly among producers			
	A.	a milk cooperative					
	В.	a producer settlement fund					
	C.	supply-demand equalization					
	D.	a board of commissioners					
50.		-	-	ederal Milk Marketing Orders that sets			
		rices based on the finished dairy pro					
	A.	Market pricing	C.	, ,			
	В.	Classified pricing	D.	Hedge pricing			
51.	The	is a voluntary risk	k manag	gement program for dairy producers			
		-	_	L, 2018. The program offers protection to			
	dairy produ	ucers when the difference between t	the all n	nilk price and the average feed cost			
	(margin) fa	lls below a certain dollar amount sel	lected b	by the producer.			
	Α.	Milk Income Loss Contract					
	В.	Price Support Program					
	C.	Classified Pricing					
	D.	Margin Protection Program for Da	iry				
52.	Mastitis ha	s savere economic consequences. T	he high	somatic cell count causes a decrease in			
32.		d and the bacteria causes a (an)	_				
	A.	denaturation	C.	increase			
	В.	decrease	D.	gram-negative infection			
	В.	decrease	D.	gram-negative infection			
53.	Most dairy	cows are milked two to three times	per day	y. On average, a cow will produce			
	Gallons of	milk each day.					
	Α.	1 to 2	C.	15 to 16			
	В.	6 to 7	D.	20 to 21			
54.	The actual	milk check amount received by dairy	, farme	rs is called the .			
	Α.	milk-feed ratio price	C.	Federal Order price			
	В.	cooperative bonus premium	D.	mailbox price			
			_				
55.	nutrient na	is an effective natural choice (ickage that supplies the nutrition the		e recovery drink due to its powerful			
	-		-	reduce muscle breakdown and stimulate			
	-		-	n. Drinking it after resistance training a			
	•		-	new muscle and may help improve body			
	composition	-	о шаке	new muscle and may neip improve body			
	A.	Chocolate milk	C.	Gatorade			
	А. В.	Greek yogurt	C. D.				
	D.	GIECK YUZUIL	υ.	Whey protein concentrate			

56.	A mixture of milk and cream containing not less than 10.5 percent milkfat, but less than 18 percent milkfat is defined as						
	A.	light whipping cream	C.	light cream			
	В.	half-and-half	D.	heavy cream			
57.		k Marketing Orders are a milk within a specific marketing order mandatory congressionally required elected voluntary		ram that defines the terms under which hase milk from dairy farmers.			
58.	Which vario	ety of cheese represents in the largest Swiss Cheddar	whole C. D.	esale sales volume, annually, in the U.S.? Mozzarella Process American			
59.		when President Ronald Reagan procla annually, every June July	C. D.	a National Ice Cream Month, it has been August September			
60.	product cat	-	aries	rs for milk utilized in the manufactured by location. The highest price paid for ates. Northwest Northeast			

Milk Quality and Products Career Development Event Milk Marketing

2018

Answer Key

31.	Α
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- **32.** B
- 33. B
- 34. C
- 35. B
- **36.** B
- 37. A
- 38. D
- 39. C
- 40. A
- 41. C
- 42. A
- 43. B
- 44. C
- 45. B
- 46. D
- 47. B
- 48. D
- 49. B
- 50. B
- **51.** D
- **52.** B
- 53. B
- 54. D
- 55. A
- 56. B
- 57. D
- 58. C
- 59. B
- 60. A