Na	me:		
Ch	apter:		
the	structions: This exam consists of 60 multiple-choice is single best answer to each question and mark your a dritten Exam" sections. Time limit is 40 minutes.	•	·
Pro	oduction Questions	5.	Which group of cows on the dairy farm
1.	What is the recommended temperature for washing the bulk tank, lines, and other equipment? A. 135°F B. 145°F		benefits from a short-day photoperiod?A. Dry cowsB. Transition cowsC. Early lactation cowsD. Mid lactation cows
2.	C. 160°F D. 212°F To determine the protein content of a feed, multiply the nitrogen fraction by what number?	6.	is the period of pregnancy that begins at fertilization and ends at birth. A. Gestation B. Lactation C. Ovulation
	A. 2.15B. 6.25C. 8.6D. 16	7.	D. Parturition Management practices that protect the herd from the entry of new diseases and minimize the spread and/or adverse effects of diseases in the herd are called
3.	The process by which milk is squeezed out of milk-producing tissue by the action of oxytocin is called A. Forestripping B. Involution C. Machine stripping	8.	 A. Animal rights B. Animal well-being C. Biosecurity D. Vaccination protocols What is the most costly disease in dairy
4.	D. Milk letdown Heifers should be moved into the breeding pen when they reach what percent of mature bodyweight? A. 40%		cattle? A. Johne's disease B. Ketosis C. Mastitis D. Milk fever
	B. 55% C. 75% D. 85%	9.	What should the acid detergent fiber content of a high producing dairy cow's ration be? A. 12-14% B. 18-21% C. 24-27% D. 30-32%

10 is the waxy substance produced by	16. What is the common name for dystocia?
cells lining the teat canal that serves as a	A. Calving difficulty
plug between milkings and aids in reducing	B. Foot rot
penetration by microorganisms.	C. Milk fever
A. Chyme	D. Twisted stomach
B. Keratin	17. Which of the cow's stomach compartments
C. Myoepithelium	is known as the honeycomb?
D. Mucin	A. Abomasum
11. A newborn calf should be fed colostrum at an	B. Omasum
amount equal to what percent of the calf's	C. Reticulum
bodyweight within the first two hours of life?	D. Rumen
A. 5%	18. How many different DHI test plans are
B. 10%	offered by National DHIA and Quality
C. 15%	Certification Services?
D. 20%	A. 10
12 is the number of times per minute that	B. 15
a pulsator opens and closes.	C. 20
A. Agitation	D. 25
B. Pulsation	19. During which season is the incidence of
C. Pulsation rate	metritis and endometritis highest?
D. Pulsation ratio	A. Winter
13. Which type of mastitis is characterized by	B. Spring
visible abnormalities in the udder or milk?	C. Summer
A. Acute	D. Fall
B. Clinical	20. Proteins derived from ruminant sources may
C. Chronic	not be used in ruminant rations because of
D. Subclinical	concerns about what disease?
14. What is generally considered the best	A. Johne's disease
material for covering a bunker silo?	B. Leptospirosis
A. Burlap	C. Ketosis
B. Plastic	D. Mad cow disease
C. Sawdust	21. What type of system milks cows without
D. Straw	human labor?
15. Cows grazing rapidly growing legumes are	A. Automatic milking system
susceptible to what condition?	B. Robotic milking system
A. Bloat	C. Voluntary milking system
B. Displaced abomasum	D. All of the above
C. Hardware disease	
D. Ketosis	

22. Name the structure through which the fetus receives all of its nutrients.	28. What percent of bulls born twin to a bull are sterile?
A. Navel	A. 50%
B. Ovary	B. 75%
C. Placenta	C. 90%
D. Uterus	D. 100%
23. What do you call wrapped round bales of silage?	29. What does colostrum contain that provides calves with passive immunity to disease?
A. Baleage	A. Antibiotics
B. Green chop	B. Antibodies
C. Hay	C. Casein
D. Haylage	D. Lactose
24. What is the first step in the NMC recommended milking procedures?	30. Cows milked three times a day will normally produce what percent more milk than cows
A. Check foremilk and udder for mastitis	milked twice a day?
B. Pre-dip teats in an effective product	A. 2-3%
C. Provide a clean, low stress environment for	B. 5-7%
cows	C. 8-15%
D. Wash teats using a sanitary solution	D. 16-18%
25. What is a firm called that is owned by its farmer members, is operated for their benefit, and distributes earnings on the basis	Marketing Questions
of patronage? A. Cooperative	31. The document that establishes the standards for Grade A milk is known as the
B. Corporation	A. Dairy Guidelines for U.S. Dairy Farmers
C. Limited liability corporation	B. Dietary Guidelines for Americans
D. Partnership	C. Pasteurized Milk Ordinance
26. What part of the milking system prevents the	D. Smith-Lever Act
vacuum level from exceeding a prescribed	32. How many Federal Milk Marketing Orders
level?	use multiple component pricing?
A. Pulsator	A. 4
B. Vacuum gauge	B. 7
C. Vacuum pump	C. 10
D. Vacuum regulator	D. 11
27. What is the legal limit for somatic cell counts in raw milk in the United States?	33. Milk that does not meet the fluid grade standards belongs to what milk grade?
A. 200,000 cells/ml	A. Grade A
B. 400,000 cells/ml	B. Grade B
C. 750,000 cells/ml	C. Grade C

D. Grade M

D. 1,000,000 cells/ml

34.	According to the 2020-2025 Dietary Guidelines for Americans, how many cup-	39. What term is traditionally used to define products including beverage milks, fluid
	equivalents of dairy are recommended in the	cream items, and yogurts?
	Healthy U.SStyle Pattern for children and adolescents ages 9 to 13 years?	A. Fluid products
	A. 1	B. Manufactured products
		C. Processed milk
	B. 2	D. Raw milk
	C. 3 D. 4	40. The observation of June Dairy Month started
35	Funding for the Cooperatives Working	in what year?
00.	Together program comes from farmers who	A. 1900
	invest cents per hundredweight of milk	B. 1923
	sold.	C. 1937
	A. 2	D. 1965
	B. 4 C. 5	41. What term is given for firms that process raw Grade A milk into fluid milk products?
	D. 15	A. Cooperatives
26		B. Manufacturers
30.	The National Organic Program for organic livestock production requires a diet	C. Processors
	consisting of at least what percent dry	D. Producers
	matter intake from pasture during the	42 is the dairy farmer-funded self-help
	growing season?	program to address supply and demand
	A. 30%	imbalances that can depress milk prices.
	B. 50%	 A. Cooperatives Working Together
	C. 75%	B. Dairy Herd Information Registry
	D. 100%	C. Dairy Margin Coverage
37.	Butter and milk in dried form belong to which	D. National Dairy FARM Program
	milk class?	43. What organization is the national leaders for
	A. Class I	June Dairy Month?
	B. Class II	A. American Dairy Association
	C. Class III	B. Dairy Alliance
	D. Class IV	C. National Dairy Council
38.	In which month is National Grilled Cheese	D. National Milk Producers Federation
	Month observed?	44. The top 50 dairy cooperatives accounted for
	A. April	what percent of the milk produced in the
	A. April B. June	United States in 2019?
	•	United States in 2019? A. 28%
	B. June	United States in 2019? A. 28% B. 53%
	B. June C. July	United States in 2019? A. 28%

45. What state ranks first for the number of	51. What appears of dairy product packaging to	
organic dairy cows?	assure the consumer that they are purchasing a genuine dairy product?	
A. California	A. Bar code	
B. New York		
C. Vermont	B. Expiration date C. Nutrition label	
D. Virginia		
46 is an illustration of the five food groups	D. Real Seal	
in a place setting that was originally based	52. What is the current focus of the Cooperatives	
on the 2010 Dietary Guidelines for Americans and designed to help consumers make	Working Together (CWT) program?	
healthier food choices.	A. Animal well-being	
A. Food Pyramid	B. Biosecurity	
B. Got Milk?	C. Herd reduction	
	D. Providing export assistance	
C. Healthy Meals, Healthy Hearts D. MyPlate	53. Which U.S. fast food chain uses the most milk?	
47 is the name of the trade agreement that	A. Burger King	
replaced the North American Free Trade	B. Dairy Queen	
Agreement.	C. McDonald's	
A. Agricultural Improvement Agreement	D. Wendy's	
B. General Agreement of Tariffs and Trade	54. What term refers to the price of milk that is o	
C. North American Agricultural Trade Treaty	average composition, is a weighted average	
D. United States-Mexico-Canada Agreement	for the market, and accounts for all	
48. The name of the Federal Milk Marketing	payments received for milk including	
Order that was most recently added is	performance bonuses and premiums?	
A. Appalachian	A. Blend price	
B. California	B. Commodity price	
C. Florida	C. Net price	
D. Pacific Northwest	D. Mailbox milk price	
49. What is the name of the legislation that provided for Federal Milk Marketing Orders?	55. The "Got Milk?" Campaign was first used by processors in which state?	
A. Agricultural Agreement Act of 1937	A. California	
B. Hatch Act	B. Georgia	
C. Morrill Act	C. Ohio	
D. Smith-Lever Act	D. Pennsylvania	
50. Packaged dairy products used as beverage	56. What term describes how milk is used by the	
milks are known by what general term?	processor or in a marketing area?	
A. Fluid milk	A. Fluid utilization	
B. Homogenized milk	B. Milk class	
C. Pasteurized milk	C. Milk grade	

D. None of the above

D. Residual milk

57.		ssified pricing in Federal Milk Marketing ders is based on how many milk classes?
	A.	2
	B.	4
	C.	8
	D.	10
58.	Но	w much does a gallon of milk weigh?
	A.	2.15 pounds
	B.	5 pounds
	C.	8.6 pounds
	D.	10 pounds
59.		w would milk be labeled if it contains 2.5 ams of fat and 100 calories per cup?
	•	
	_	Low fat
	A.	
	А. В.	Low fat
	А. В. С.	Low fat Reduced fat
60.	A. B. C. D.	Low fat Reduced fat Skim
60.	A. B. C. D.	Low fat Reduced fat Skim Whole
60.	A. B. C. D.	Low fat Reduced fat Skim Whole definition, butter should contain a nimum of percent fat.
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material for covering a bunker silo?	A. Johne's disease
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26.	What part of the milking system prevents the	D. Smith-Lever Act	
	vacuum level from exceeding a prescribed level?	32. How many Federal Milk Marketing Orders use multiple component pricing?	
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C. 750,000 cells/ml

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34. According to the 2020-2025 Dietary Guidelines for Americans, how many cupequivalents of dairy are recommended in the Healthy U.SStyle Pattern for children and adolescents ages 9 to 13 years? A. 1 B. 2	 39. What term is traditionally used to define products including beverage milks, fluid cream items, and yogurts? A. Fluid products B. Manufactured products C. Processed milk
C. 3	D. Raw milk
D. 4	40. The observation of June Dairy Month started in what year?
35. Funding for the Cooperatives Working Together program comes from farmers who invest cents per hundredweight of milk sold. A. 2	A. 1900 B. 1923 C. 1937 D. 1965
B. 4	41. What term is given for firms that process raw Grade A milk into fluid milk products?
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36. The National Organic Program for organic livestock production requires a diet	C. Processors
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milk class? A. Class I	43. What organization is the national leaders for June Dairy Month?
B. Class II	A. American Dairy Association
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D. Class IV	C. National Dairy Council
38. In which month is National Grilled Cheese	D. National Milk Producers Federation
Month observed? A. April	44. The top 50 dairy cooperatives accounted for what percent of the milk produced in the
B. JuneC. JulyD. October	United States in 2019? A. 28% B. 53% C. 81%

45. What state ranks first for the number of	51. What appears of
organic dairy cows? A. California	assure the cons purchasing a ge
B. New York	A. Bar code

- C. Vermont
- D. Virginia
- 46. _____ is an illustration of the five food groups in a place setting that was originally based on the 2010 Dietary Guidelines for Americans and designed to help consumers make healthier food choices.
 - A. Food Pyramid
 - B. Got Milk?
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 - D. MyPlate
- 47. ____ is the name of the trade agreement that replaced the North American Free Trade Agreement.
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 - C. North American Agricultural Trade Treaty
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	A.	Low fat
	B.	Reduced fat
	C.	Skim
	D.	Whole
60.	Ву	definition, butter should contain a
	miı	nimum of percent fat.
	A.	20
	B.	40
	C.	60
	D.	80