

**Tarleton Invitational Dairy Cattle Evaluation CDE Exam**

**\*\* DO NOT WRITE ON THIS EXAM\*\***

1. Heart girth measurements of cows may be used to estimate:
  - A) Calving date
  - B) Age
  - C) Milk production
  - D) Body weight
  
2. When sanitizing milking equipment with water, the temperature must be a minimum of 170 degrees F and the utensils are to be under the flow of water for \_\_\_\_\_ minute(s).
  - A) 1
  - B) 5
  - C) 15
  - D) 10
  
3. When discussing lactation records, what does the term "fat corrected milk" mean?
  - A) Fat has been added to the milk to the correct level
  - B) The lactation record has an average amount of milk fat
  - C) Fat has been extracted from the milk to the correct level
  - D) Lactation records have been adjusted to the same milk fat percentage
  
4. A rolling herd average (RHA) is based on how many months?
  - A) Lifetime of the cow
  - B) One
  - C) Twenty four
  - D) Twelve
  
5. What is a TMR to a dairy person?
  - A) Typical Managed Ration
  - B) Texas Milk Requirement
  - C) Time Management Recommendation
  - D) Total Mixed Ration
  
6. A disease transmitted through natural mating which causes abortion, low conception rates, and irregular heat cycles is \_\_\_\_\_.
  - A) Black leg
  - B) Milk fever
  - C) Hardware disease
  - D) Vibriosis
  
7. Protein is a combination of amino acids. The amino acids are unique among compounds involved in nutrition because they contain what element?
  - A) Copper
  - B) Calcium
  - C) Nitrogen
  - D) Phosphorous
  
8. What does NSC stand for?
  - A) Nonstructural Carbons
  - B) Nonstructural Carbohydrates
  - C) Nitrogen Substitute Calories
  - D) Nitrogen Standard Calculation
  
9. After insemination, how long do sperm live in the cow's reproductive tract?
  - A) 20 minutes
  - B) 6 hours
  - C) 2 days
  - D) 24 hours
  
10. What does BVD stand for?
  - A) Bovine Viral Diarrhea
  - B) Bovine Viral Disease
  - C) Bovine Viral Distress
  - D) Bovine Viral Defecation
  
11. The Global Dairy Agenda for Action is a pledge to reduce \_\_\_\_\_ emissions in an attempt to address global warming?
  - A) Nitrous oxide
  - B) Carbon
  - C) Sulfur
  - D) Manure odor
  
12. A switch on a cow is:
  - A) The area directly behind the withers
  - B) Located beneath the heart girth
  - C) The bottom most part of the tail
  - D) A fluff of hair on the forehead
  
13. PTAT stands for what?
  - A) Progeny Testing At Time
  - B) Predicted Transmitting Ability-Type
  - C) Predicted Transforming Ability-Type
  - D) Progeny Transforming Ability-Type

14. When using a body condition scoring system of 1 to 5, what does a score of 5 mean?

- A) Below average body condition
- B) Average body condition
- C) Extremely fat
- D) Extremely thin

15. What is the sex chromosome configuration of a male calf?

- A) XY
- B) YY
- C) XX
- D) FX

16. On the PDCA Unified Dairy Score Card, the category "feet and legs" accounts for how many points?

- A) 10
- B) 15
- C) 20
- D) 30

17. Which of the following is a compartment of the dairy cow's stomach?

- A) Ileum
- B) Jejunum
- C) Abomasum
- D) Duodenum

18. What does NMPF stand for?

- A) New Mexico Producers Funding
- B) Northern Milk Producers Formulation
- C) National Milk Producers Federation
- D) National Milk Protein Foundation

19. What are two methods for shortening udder hair?

- A) Singeing and waxing
- B) Clipping and singeing
- C) Clipping and straight razor shaving
- D) Electrolysis and waxing

20. Milk fever is also (scientifically) known as what?

- A) Mamogenesis
- B) Postpartum paresis
- C) Masticular Paresis
- D) Parturient paresis

21. Feeding proper rations during the summer is important for both cow comfort and maintaining milk production. Which nutrient is most important during the summer months?

- A) Water
- B) Vitamins
- C) Protein
- D) Fat

22. What is a nonfunctional mammary gland called?

- A) Nonproductive quarter
- B) Bulging quarter
- C) Absent quarter
- D) Blind quarter

23. What is the classification for a Holstein cow given the numerical value 80-84.9?

- A) Poor
- B) Good plus
- C) Fair
- D) Good

24. When discussing feed mixers, what is the range of manufacturers recommended mixing times?

- A) 7-9 minutes
- B) 1-2 minutes
- C) 3-6 minutes
- D) 10-15 minutes

25. Colostrum given to a baby calf more than \_\_\_\_\_ hours old is NOT absorbed and thus does little good.

- A) 48
- B) 6
- C) 12
- D) 24