

Tarleton Invitational Dairy Cattle Evaluation CDE – Exam KEY

**** 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**