

## Tarleton State University 2022 Invitational CDE Dairy Cattle Exam

- Which hormone produced by the uterus causes regression of the corpus luteum?
  - PGF
  - LH
  - FSH
  - GnRH
- Which of the following is an infectious disease?
  - Bloat
  - Milk Fever
  - Ringworm
  - Hardware Disease
- For best results calves should be fed colostrum within \_\_\_ hours of calving:
  - 1<sup>st</sup> hour
  - 6 hours
  - First day
  - 3 hours
- A Babcock test may be used to measure the \_\_\_\_\_ % of milk.
  - Fat
  - Beta carotene
  - Somatic cell count
  - Protein
- What is Milk Fever paresis caused by?
  - Low blood levels of ionized sodium
  - Low blood levels of ionized vitamin-D
  - Low blood levels of ionized zinc
  - Low blood levels of ionized calcium
- The rumen of a mature cow will hold approximately:
  - 5 gallons
  - 10 gallons
  - 20 gallons
  - 40 gallons
- Texas dairies normally must be permitted by the \_\_\_\_\_ before they begin operations.
  - Texas Farm Bureau
  - Texas Commission on Environmental Quality
  - Environmental Protection Agency
  - Dairy Herd Improvement Association
- Limber leg is found most often in the \_\_\_\_\_ dairy breed?
  - Holstein
  - Guernsey
  - Jersey
  - Brown Swiss
- What are the two types of ovarian cysts?
  - Follicular and ovum
  - Follicular and luteal
  - Follicular and horn
  - Ovum and luteal
- A free martin is considered a
  - Sterile heifer born twin to a bull
  - Virgin heifer that has not yet been bred
  - Sterile bull born twin to a heifer
  - Cow that has just weaned a calf
- The rear quarters produce \_\_\_ % of the daily milk yield.
  - 20%
  - 40%
  - 60%
  - 80%
- What is another term for the lowest lateral regions of the abdomen, near the groin?
  - Dorsal
  - Abomasum
  - Gubernaculum
  - Inguinal

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13. Where are degradable proteins broken down?  
A. Reticulum  
B. Rumen  
C. Abomasum  
D. Omasum
14. At what isoelectric point (point at which proteins have net zero charge) do caseins precipitate?  
A. pH 4.6  
B. pH 5.2  
C. pH 7.5  
D. pH 8.1
15. When evaluating a dairy ration, what do the letters TDN stand for?  
A. Total Digestible Nutrients  
B. Total Dietary Needs  
C. Total Dietary Nitrogen  
D. Tested Digestible Nutrients
16. What percentage of whole milk is fat when compared on a dry matter basis?  
A. About 50 percent  
B. Exactly 100 percent  
C. About 10 percent  
D. About 25 percent
17. When referring to vaccinations, what do the letters MLV stand for?  
A. Modified Limited Vaccine  
B. Model Linked Viruses  
C. Modified Live Virus  
D. Milk Line Vaccination
18. When can a heifer calf born twin to a bull be registered?  
A. As soon as she is weaned  
B. As soon as she is born  
C. When she is 6 months old  
D. When it is proven that she will breed
19. The first feeding of colostrum should equal about \_\_\_ percent of the calf's body weight?  
A. 1  
B. 5  
C. 2  
D. 10
20. Colostrum has approximately \_\_\_ calcium, as does regular milk.  
A. The same  
B. Two times  
C. Three times  
D. Four times
21. A very popular dairy management software in Texas is:  
A. Dairy Comp 305  
B. Dairy Power vs. 2  
C. Basic Dairy 101  
D. Dairyhelp4U
22. What percent of milk is water?  
A. 50 percent  
B. 82 percent  
C. 87 percent  
D. 93 percent
23. What is the reasonable score for body condition at mid-lactation?  
A. 1  
B. 2  
C. 3  
D. 4.5
24. Almost 95% of the dairy cows in the U.S. are:  
A. Angus  
B. Brown Swiss  
C. Jersey  
D. Holstein
25. PTAT stands for what?  
A. Predicted Transmitting Ability-Type  
B. Predicted Transforming Ability-Type  
C. Progeny Testing At Time  
D. Progeny Transforming Ability-Type