

Tarleton State University 2022 State FFA Dairy Cattle Exam

- The only aspect of milk quality that can be completely controlled on the farm is _____.
 - Bacteria Counts
 - Drug Residue
 - Milk Protein
 - Milk Flavor
- Milk traits, i.e. fat, protein, SNF and etc., tend to have a heritability of about:
 - 10% or less
 - 20-30%
 - 40-50%
 - 51% or more
- What is Milk Fever paresis caused by?
 - Low blood levels of ionized calcium
 - Low blood levels of ionized zinc
 - Low blood levels of ionized Vitamin-D
 - Low blood levels of ionized sodium
- Cows that are at risk of developing ketosis can be fed what vitamin to help prevent ketosis?
 - Vitamin-C
 - B-complex
 - Niacin
 - Zinc
- Which of the following diseases is not caused by a virus?
 - Cow pox
 - BVD
 - Laminitis
 - Warts
- BST is the acronym for what compound?
 - Bovine Somatotropin
 - Barn Somatotropin
 - Bovine Special Tinticure
 - Black Sodium Tapestry
- Cattle grazing stressed on wilted hybrid sorghum/Johnson grass type pasture, may die as a result of _____.
 - Nutrient overload
 - Intestinal tract abrasions
 - Nutrient starvation
 - Prussic acid poisoning
- What should the pH of a “close up” Holstein’s urine be?
 - Between 11.0 and 12.0
 - Between 1.0 and 2.0
 - Between 2.0 and 3.0
 - Between 6.0 and 6.5
- The _____ is the device responsible for regulating both the vacuum level and the proportion of the vacuum for the front and rear quarters.
 - Pulsator
 - Claw
 - Inflation
 - Milk meter
- Normal presentation of a calf for parturition will have:
 - One front leg towards the rear of the cow along side head, other front leg down
 - Buttocks of the calf toward rear of the cow with all 4 legs and head facing down
 - Front feet toward rear of the cow with head, nose first, between them
 - Hind legs towards rear of the cow with head and front legs facing down
- Which one of the following is the name of the part of the cow’s back that lies between the withers and the loin?
 - Thurl
 - Chine
 - Poll
 - Rump
- What are ways to avoid milk fever in cows?
 - Adding anionic salts to the dry cow ration
 - Fasting dry cows two weeks before calving
 - Feeding low-potassium hay and/or silage to dry cows
 - Both feeding low-potassium hay and/or silage to dry cows AND adding anionic salts to the dry cow ration
- Endocrinology is the science dealing with _____.
 - Hormones
 - Lipids
 - The lymphatic system
 - Carbohydrates

Tarleton State University 2022 State FFA Dairy Cattle Exam

14. How many days after breeding can a pregnancy be detected by ultrasound?
- Between 30 and 55 days
 - Before 14 days
 - Between 28 and 30 days
 - Between 14 and 28 days
15. Which purebred dairy breed association introduced a “dairy price stabilization” program in 2009?
- Jersey
 - Holstein
 - Guernsey
 - Ayshire
16. What hormone is responsible for maintaining pregnancy?
- Progesterone
 - Lutalyse
 - Oxytocin
 - Prostaglandin
17. _____ is a compound that is fermented for flavor in buttermilk and sour cream.
- Glucose
 - Lactose
 - Phosphate
 - Citrate
18. Dairy cows produce milk that is relatively high in B complex vitamins. Because they are ruminants:
- It is not necessary to supplement the intake of Vitamin B complex
 - Vitamin D will be converted into the Vitamin B complex in the rumen
 - Vitamin A will be converted to the Vitamin B complex in the rumen
 - It is necessary to supplement the intake of Vitamin B complex
19. Which compartment of a dairy cow’s stomach is located closest to the heart and it is a spot where hardware disease occurs?
- Omasum
 - Abomasum
 - Reticulum
 - Rumen
20. Which hormone produced by the uterus causes regression of the corpus luteum?
- PGF
 - FSH
 - LH
 - GnRH
21. Allelomimetic behavior is defined as:
- The tendency for animals to flee
 - The tendency for a group of animals to do the same thing at the same time
 - The tendency for animals to separate from the herd
 - The tendency for animals to produce young with the characteristics of their parts
22. Which one of the following is NOT classified as a water soluble-vitamin?
- Niacin
 - Biotin
 - Folic acid
 - Vitamin A
23. Grass Tetany may occur in early lactation cows grazing lush, heavily, fertilized pastures. Grass Tetany is caused by a _____ deficiency.
- Magnesium
 - Calcium
 - Vitamin E
 - Thiamine
24. This vitamin plays a role in the coagulation of blood:
- Vitamin A
 - Vitamin C
 - Vitamin K
 - Vitamin B12
25. The portion of the ruminant digestive system which consists of many folds of tissue is the:
- Abomasum
 - Omasum
 - Gizzard
 - Reticulum