

# 2008 Tarleton State University Invitational Dairy Cattle CDE Management Quiz

- What percentage of whole milk is fat when compared on a dry matter basis?
  - About 10 percent
  - About 50 percent
  - About 25 percent**
  - Exactly 100 percent
- Dry cows need 0.8 percent K in their diet. What element is K?
  - Potassium**
  - Calcium
  - Phosphorus
  - Lead
- What does the term freshen mean in relation to dairy production?
  - To become pregnant
  - To give birth**
  - To stop producing milk
  - None of the above
- What does NFDM stand for?
  - Nonfat Dry Milk**
  - No Fun Dairy Mandate
  - Nonfat Dairy Milk
  - National Forum of Dairy Milkers
- What are the two types of ovarian cysts?
  - follicular and luteal**
  - follicular and horn
  - ovum and luteal
  - follicular and ovum
- One American farmer produces enough food to feed how many people?
  - 130
  - 128**
  - 150
  - 1,028
- Approximately how many gallons of blood pass through the udder for each gallon of milk produced?
  - 100-200 gallons
  - 200-300 gallons
  - 300-400 gallons
  - 400-500 gallons**
- What are the two main problems that effect reproduction?
  - Heat detection and heat stress
  - Heat detection and conception rates**
  - Heat detection and cold stress
  - Heat detection and ovarian cancer
- What are ways to avoid milk fever in cows?
  - Feed low-potassium hay and/or silage to dry cows
  - Adding anionic salts to the dry cow ration
  - Fasting dry cows two weeks before calving
  - Both a and b**
- What is the optimal length of the dry period?
  - 5 to 10 days
  - 20 to 30 days
  - 50 to 70 days**
  - 100 to 130 days
- What is the most essential nutrient in animal feeding and health?
  - Silage
  - Calcium
  - Water**
  - Salt
- What is lactogenesis?
  - The initiation of estrus
  - The initiation of the dry period
  - The initiation of milk secretion**
  - The initiation of mastitis
- Endocrinology is the science dealing with \_\_\_\_\_.
  - Lipids
  - Hormones/chemical substances**
  - Carbohydrates
  - The lymphatic system
- Alfalfa is an example of what?
  - Legume
  - Forage
  - Protein source
  - All of the above**
- What is intravenous injection?
  - It is administered in the muscle
  - It is administered under the skin
  - It is the administration of medication to a cow via the blood vessels**
  - It requires the tented method
- When a small metal object punctures the stomach wall and leads to infection, the resulting disease is.....
  - Milk fever
  - Mastitis
  - Hardware disease**
  - Black leg
- This disease is transmitted through natural mating and causes abortion, low conception rates, and irregular heat cycles.
  - Milk fever
  - Vibriosis**
  - Hardware disease
  - Black leg
- Milk should be below what temperature before it is transferred to a milk truck?
  - 60 degrees F
  - 20 degrees F
  - 30 degrees F
  - 40 degrees F**
- \_\_\_\_\_ represents the largest daily input cost to produce milk.
  - Labor
  - Water
  - Animals
  - Feed**
- The top-producing county in Texas (at this time) is \_\_\_\_\_.
  - Erath**
  - Brazos
  - Comanche
  - Wharton
- What manure waste management puts solids in a bin and lets it degrade?
  - Slurry
  - Composting**
  - Solid
  - Lagoon
- Which mineral functions in maintaining osmotic pressure, acid-base balance, and body fluid balance?
  - Sodium**
  - Selenium
  - Sulfur
  - Zinc
- What is NAFTA?
  - North American Forage Trade Association
  - North American Free Trade Agreement**
  - North American Free Trade Association
  - North African Free Trade Association
- How many days after breeding can a pregnancy be detected by ultrasound?
  - Between 28 to 30 days**
  - Before 14 days
  - Between 14 and 28 days
  - Between 30 and 55 days
- Which mineral is found in high concentrations in soft tissues such as the pancreas, liver, and kidney?
  - Sulfur
  - Sodium
  - Zinc**
  - Selenium