

**2010 Junior Dairy Quiz Bowl Questions**

**Round 07**

**Phase B      5 Questions      Correct answers are worth 10 points each.**

**Only the team being asked the questions is to be in the room. Each team will be asked these 5 questions. Answers are to be given by a team captain, but assistance may come from any team member. A question may be repeated only once. Answers must be started within 20 seconds. Partial credit may be given at the discretion of the judges. After one team has been questioned, the other team will enter the contest room and be asked the same 5 questions.**

**1. Which of the following forages should contain the highest level of protein?**

- a) corn silage      b) small grain silage      c) legume hay      d) fescue hay**

ANS: c) legume hay

**2. The process of flushing fertilized eggs from donor cows and implanting them in recipient cows is called:**

- a) artificial insemination      b) gestation      c) embryo transfer**

ANS: c) embryo transfer

**3. Name the part of the cow's topline that is located between the withers and the loin.**

ANS: chine

**4. Milk fever is caused by low blood:**

- a) sugar      b) cholesterol      c) calcium      d) fat**

ANS: c) calcium

**5. What is the name of the piece of equipment in a milking system which keeps vacuum at a constant level?**

- a) regulator      b) pulsator      c) claw      d) inflation**

ANS: a) regulator

**Phase C      20 Questions      Correct answers are worth 15 points each.**

**Both teams are in the room for Phase C. The first contestant to signal will answer the question within 5 seconds after being acknowledged by the moderator. Failure to do so will cost that team 10 points. Any contestant answering a question without being acknowledged by the moderator will lose 10 points. If an answer is incorrect, members of the other team will have the opportunity to answer the question without having it reread except for true/false, either or and yes or no type questions. If an answer is given in these types of questions, the question will be replaced with a tie breaker question, and given to the other team. No points are deducted for giving an incorrect answer. Team members are not allowed to discuss the answers in this phase. No partial credit is available in Phase C, except for bonus questions. If neither team can offer an answer to the question within 10 seconds, the moderator will give the answer and the question will be dropped but neither team will forfeit points.**

**1. Which of the following IS NOT a point a judge looks for when judging a fitting and showmanship contest?**

- a) animal's condition**
- b) animal's conformation**
- c) clipping**
- d) appearance of showman**

ANS: b) animal's conformation

**2. Nutritionally, a low milk fat test is an indication of a deficiency of:**

- a) protein**
- b) energy**
- c) fiber**

ANS: c) fiber

**3. What is a normal birth weight for a Jersey calf?**

- a) 30-40 lb**
- b) 50-60 lb**
- c) 80-90 lb**
- d) 100-120 lb**

ANS: b) 50-60 lb

**4. Which of the following normally occurs first during a lactation cycle?**

- a) peak milk production**
- b) peak feed intake**
- c) both occur at the same time**

ANS: a) peak milk production

**5. What are the basic structural components of proteins called?**

ANS: amino acids

**6. According to the 2009 Dairy Cow Unified Score Card, how many points are assigned to rear feet and legs?**

ANS: 20 points

**7. Too low of a level of what mineral in the diet leads to grass tetany or grass staggers?**

**a) manganese                      b) magnesium                      c) copper                      d) calcium**

ANS: b) magnesium

**8. It takes approximately how many pounds of milk to make one (1) pound of cheese:**

**a) 1                      b) 5                      c) 10                      d) 15**

c) 10

**9. One of the recommended practices for the control of mastitis is the use of milking order groups. When should cows with mastitis be milked?**

**a) first                      b) last                      c) in any group**

ANS: b) last

**10. What is another name for the hip of a cow?**

**a) thurl                      b) hook                      c) pin                      d) hock**

ANS: b) hook

**11. On the average, how many days are there between heat periods in dairy cattle that are cycling normally?**

**a) 12-15 days                      b) 18-21 days                      c) 28-30 days**

ANS: b) 18-21 days

**12. Which of the following compartments of the cow's stomach is where the majority of the feed fiber is digested by microorganisms?**

**a) abomasum                      b) omasum                      c) rumen                      d) colon**

ANS: c) rumen

**13. What is the name of the feed additive commonly added to dairy rations that buffers the rumen and helps maintain milk fat test?**

- a) biotin      b) dried molasses      c) ionophores      d) sodium bicarbonate

ANS: d) sodium bicarbonate

**14. Which of the following is not a recommended procedure for making silage in a trench or bunker silo?**

- a) chop very dry forage      b) fill fast      c) pack hard      d) cover the silo

ANS: a) chop very dry forage

**15. A type of mastitis in which there is not a detectable change in the udder itself and no observable abnormality of the milk is known as:**

- a) acute      b) chronic      c) clinical      d) subclinical

ANS: d) subclinical

**16. The recommended maximum level of fat in a lactating cow's diet is?**

- a) 2-3%      b) 3-5%      c) 5-7%      d) 10-12%.

ANS: c) 5-7%

**17. Ringworm is a contagious disease which can spread easily to other animals and is caused by?**

- a) pin worms      b) fungus      c) virus      d) bacteria

ANS: b) fungus

**18. At the conclusion of what major sporting event does the victor traditionally drink milk?**

- a) Kentucky Derby      b) Wimbledon      c) Indianapolis 500  
d) Super Bowl

ANS: c) Indianapolis 500

**19. Failure to show signs of heat is called?**

- a) rickets                      b) anestrus                      c) sterility                      d) milk fever

ANS: b) anestrus

**20. Which vitamin is routinely added to milk?**

- a) vitamin K                      b) vitamin D                      c) vitamin E                      vitamin C

ANS: b) vitamin D

**Bonus Questions      Each bonus question is worth 20 points.**

**Bonus questions may be earned in the toss-up round. To receive a bonus question, 3 different team members must correctly answer the toss-up questions. Bonus questions are not passed to the other team, nor are points deducted for an incomplete or incorrect answer to the question. Bonus question will be asked whenever 3 team members have answered toss-up questions correctly with the count kept individually for both teams within a match. Eligibility for bonus questions does not carry over to another match. The answers must come from the team captain but assistance can come from the other team members. Only the number or answers required by the bonus question will be accepted. Example: If the bonus has a four-part answer - the first four answers given by the team will be accepted. Answers to a bonus question must start within 20 seconds and be completed within 60 seconds.**

**1. A deficiency of what trace mineral has been associated with retained placenta in cows and white muscle disease in calves?**

- a) potassium                      b) selenium                      c) iron                      d) magnesium

ANS: b) selenium

**2. Which of the following is approximately how many pounds of blood that must be pumped through the udder to produce one pound of milk?**

- a) 100                      b) 200                      c) 300                      d) 400

ANS: 400

**3. What is the name of the tiny, finger-like projections which line the wall of the rumen?**

- a) crypts                      b) jejunum                      c) leaves                      d) papillae

ANS: d) papillae