

**2010 Junior Dairy Quiz Bowl Questions**

**Round 02**

**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 class of milk describes that used for drinking (fluid milk)?**

ANS: Class I

**2. How many upper incisors does a cow have?**

- a) none                      b) two
- c) four                      d) six

ANS: a) none

**3. Ovulation is the process of:**

- a) release of an egg from a follicle
- b) milk ejection from an alveolus
- c) delivering a calf from the uterus

ANS: a) release of an egg from a follicle

**4. Which of the following minerals provided in excess during the dry period may result in milk fever?**

- a) sodium                      b) calcium                      c) selenium

ANS: b) calcium

**5. Which one of the following can happen when we feed excess crude protein in the ration?**

- a) acidosis                      b) fatty liver                      c) decrease fertility

ANS: c) decrease fertility

**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. From which side of the animal should you lead an animal when showing?**

ANS: left side

**2. What is the condition called in calves with very watery manure?**

ANS: scours (also accept diarrhea)

**3. Where is the national 4-H dairy cattle judging contest held?**

ANS: Madison, Wisconsin (also accept Wisconsin or the World Dairy Expo)

**4. Colostrum contains:**

- a) more protein than whole milk
- b) less protein than whole milk
- c) the same amount of protein as whole milk

ANS: a) more protein than whole milk

**5. There are 9 kilocalories of energy provided in one gram of:**

- a) protein      b) carbohydrate      c) fat      d) water

ANS: c) fat

**6. What bacterial infection occurs in the eyes of cattle that can result in blindness and is thought to be spread by flies?**

ANS: Pinkeye

**7. What is the CMT test used for?**

ANS: to detect mastitis

**8. On the 2009 Dairy Cow Unified Score Card, reference to the withers is listed under which main category?**

ANS: Dairy Strength

**9. How many cups of milk does USDA's MyPyramid recommend consuming every day?**

- a) 2-3 cups                      b) 5-6 cups                      c) 8-9 cups

ANS: a) 2-3 cups

**10. Which one of the following is often responsible for a low milk fat test?**

- a) feeding hay                      b) feeding cottonseed hulls  
c) overfeeding crude protein                      d) low level of "effective fiber" in the ration

ANS: d) low level of "effective fiber" in the ration

**11. What is the primary sugar found in milk?**

- a) lactose                      b) cellulose                      c) sucrose

ANS: a) lactose

**12. What does "RUP" stand for in reference to dairy cattle nutrition?**

ANS: rumen undegradable protein

**13. When judging cows, what is the term for an udder that hangs below a cow's hocks:**

ANS: pendulous

**14. Which of the following is the term for the type of fat that is usually liquid at room temperature and contains one or more double bonds?**

- a) unsaturated fat                      b) saturated fat                      c) lard                      d) monensin

ANS: unsaturated fat

**15. What describes “days to first service”?**

- a) calving interval    b) number of days from calving until first breeding date  
c) days open            d) days dry

ANS: b) number of days from calving until first breeding date

**16. What is the largest operating expense on most dairy farms?**

- a) vet bill                    b) feed cost                    c) labor cost

ANS: b) feed cost

**17. What percentage of their mature weight should first calf heifers weigh?**

- a) 55%                    b) 65%                    c) 75%                    d) 85%

ANS: d) 85%

**18. Which of the following is not a type of milking parlor?**

- a) herringbone                    b) free stall  
c) parallel                    d) rotary

ANS: b) free stall

**19. Which one of the following is the term for a large and complex protein material that is capable of causing disease and that reproduces only inside a host cell?**

- a) virus            b) bacteria            c) protozoa            d) staphylococcus

ANS: a) virus

**20. Soybean meal is commonly added to calf starters to provide:**

- a) energy            b) fiber            c) protein            d) carbohydrate

ANS: c) protein

**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. According to the 2009 Dairy Cow Unified Scorecard, “movement” is a consideration in which of the following breakdowns?**

- a) frame      b) dairy strength      c) rear feet and legs      d) udder**

ANS: c) rear feet and legs

**2. In reference to forage analysis, what does “ADF” stand for?**

ANS: acid detergent fiber

**3. As of 2009, there are approximately how many dairy cows in North Carolina?**

- a) 36,000      b) 48,000      c) 60,000      d) 72,000**

ANS: b) 48,000