

**2012 Senior Dairy Quiz Bowl Questions**

**Round 06**

**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. What is the term for a protein that acts as a catalyst in starting or speeding up certain chemical reactions during nutrient metabolism?**

ANS: enzyme

**2. Which vitamin is essential for the efficient use of calcium and phosphorus in bone growth?**

ANS: Vitamin D

**3. Name the part of the cow that is located at the bottom end of the tail:**

ANS: Switch

**4. When clipping a cow for a show, do you clip most of the hair in the direction the hair lays or in the opposite direction?**

ANS: Opposite direction

**5. In a judging class, the official placing is 1-2-3-4, with cuts of 6-2-3. You placed the class 2-1-4-3. What is your score?**

ANS: 41 points

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. A cow will mobilize fat to meet the needs for this nutrient.

ANS: energy

2. If a cow has an interdigital foot infection, where is it?

ANS: between the toes

3. What vitamin is necessary to prevent calves from developing ricketts?

ANS: Vitamin D

4. In reference to a dairy cow, what does the term "Dystocia" mean?

ANS: the cow has calving difficulty

5. On the new PDCA scorecard, how many points are allocated for "Rear Feet and Legs"?

ANS: 20 points

6. An infection or the lungs is called:

ANS: pneumonia

7. What type of blood cell does the somatic cell test check for?

ANS: white blood cells

8. What do we place in the reticulum of a dairy animal to help protect them from hardware disease caused by wire, nails, or other metal objects?

ANS: magnet

9. From which side of the animal should you be leading the animal during a show?

ANS: Left side

**10. What is another name for the hip bone?**

ANS: Hook

**11. What is cystitis?**

ANS: Infection of the bladder

**12.. A.I. organizations package semen in straws with each straw containing approximately:**

**a) 1000 to 3000 sperm cells                      b) 10 thousand to 30 thousand sperm cells**

**c) 10 million to 30 million sperm cells**

ANS: c) 10 million to 30 million sperm cells

**13. In what city and state is the National Dairy Shrine located?**

ANS: Fort Atkinson, Wisconsin

**14. What is the term for the total amount of energy in a feed?**

ANS: Gross Energy

**15. What accounts for the largest share of the expenses in producing milk?**

ANS: feed costs

**16. Which of the six major dairy breeds originated in the United States?**

ANS: None of them

**17. What is the term used in dairy judging to describe when a cow's hocks are too close together?**

ANS: cow-hocked

**18. Which breed of dairy cattle has its national headquarters in Brattleboro, Vermont?**

ANS: Holstein

**19. What term refers to the genetic makeup of an individual?**

ANS: Genotype

**20. In North Carolina, a farm plan for land application of manure and fertilizer to meet crop needs is known as what?**

ANS: Nutrient Management Plan

**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.      Name the part of the milking system that prevents the vacuum level from exceeding a certain level.**

ANS: Vacuum regulator

**2. Which of the following is the main reason for not feeding excessive protein in the ration?**

**a) nitrogen toxicity              b) protein toxicity      c) it is expensive and wasteful**

ANS: c) it is expensive and wasteful

**3.      Which month is entitled "National Ice Cream Month?"**

ANS: July