

**2016 Junior Dairy Quiz Bowl Questions**

**Round 03**

**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. Rennet is the name of the enzyme that is added to milk to make what dairy product?**

ANS: Cheese

**2. How many kilocalories are contained in one gram of fat?**

a) 3                  b) 6                  c) 9                  d) 12

ANS: c) 9

**3. What is the technical term for the class of chemicals used to kill internal parasites in cattle?**

ANS: Anthelmintics (also accept dewormers)

**4. Which breed organization sponsors the “Pot-of- Gold” heifer sale and production contest?**

ANS: Jersey

**5. What is the term used to describe “a difficult or abnormal calving”?**

ANS: dystocia

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 state leads in the production of butter?

ANS: Wisconsin

2. Protocols such as Ov-Synch, CIDR-PG, and 2-shot PG are used in cows primarily for what reason?

a) mastitis treatment      b) heat detection      c) estrus synchronization

ANS: c) estrus synchronization

3. If a corn silage sample contains 68% moisture, what percentage dry matter is it?

ANS: 32% dry matter

4. Bovine spongiform encephalopathy or BSE is more commonly known as what disease?

ANS: Mad Cow Disease

5. How long is the life cycle for a fly, from egg to adult?

a) 100 days      b) 10 days      c) 1 day

ANS: b) 10 days

6. At what stage of lactation can body condition be most efficiently restored in dairy cows?

a. during the dry period      b. in early lactation      c. in late lactation

ANS: c. in late lactation

**7. What is a common disease in dairy animals caused by *Staph. aureus*, *Strep. uberis*, and *Klebsiella*?**

ANS: Mastitis

**8. Which one of the following is a water-soluble vitamin?**

- a) Vitamin K            b) Vitamin A            c) Vitamin E            d) Vitamin B<sub>3</sub>

ANS: d) Vitamin B<sub>3</sub>

**9. What is the name that veterinarians call an infected uterus in a dairy cow?**

- a. Mastitis    b. Metritis    c. Parturition

ANS: b. Metritis

**10. Which of the following is a warm season or C4 grass?**

- a) fescue            b) alfalfa            c) bermuda            d) orchardgrass

ANS: c) Bermuda

**11. In reference to milk production records, what does “ME” stand for?**

ANS: Mature Equivalent

**12. What term refers to the act of giving birth?**

ANS: parturition

**13. How many points are allotted for “Udder” on the PDCA Dairy Cow Unified Score Card?**

ANS: 40 points

**14. At approximately what age (in weeks) does a dairy calf begin to chew its cud?**

- a) 2-3 weeks            b) 6-8 weeks            c) 10-12 weeks            d) 12-15 weeks

ANS: a) 2-3 weeks

**15. What is the name of the hormone that causes milk “let down”?**

ANS: oxytocin

**16. How many animals are in a class in a 4-H Dairy Judging Contest?**

- a) 8      b) 6      c) 3      d) 4

ANS: d) 4

**17. Which of the following feeds contains the most protein?**

- a) corn gluten feed      b) corn gluten meal      c) corn grain

ANS: b) corn gluten meal

**18. What breed of dairy cattle originated in Scotland?**

ANS: Ayrshire

**19. What month is National Dairy Month?**

- a) May      b) June      c) July      d) April

ANS: b) June

**20. Many organisms are disease causing in our animals, what type of organisms cause pneumonia?**

- a) Bacteria      b) Molds      c) Protozoa      d) Yeasts

ANS: c) Protozoa

