

2016 Junior Dairy Quiz Bowl Questions

Round 01

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 name of the substance in a semen tank that is used to freeze semen straws?

- a) liquid nitrogen b) liquid oxygen c) liquid hydrogen d) liquid carbon dioxide**

ANS: a) liquid nitrogen

2. Of all the costs associated with Mastitis, which has the greatest impact on the farmer?

- a) Veterinarian b) Discarded Milk c) Labor d) Reduced Milk Production**

ANS: d) reduced milk production

3. Which 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) bacteria b) protozoa c) virus d) salmonella**

ANS: c) virus

4. What dairy cattle breed originated in Netherlands and Germany then arrived in the US in 1852

- a) Milking Shorthorn b) Holstein c) Jersey d) Brown Swiss**

ANS: b) Holstein

5. Which of the following describes "the release of an egg from a follicle"?

- a) parturition b) palpation c) ovulation**

ANS: c) ovulation

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. On a feed ration report, you see the letters ppm. What does ppm stand for?

ANS: parts per million

2. What part of the cow does laminitis effect?

ANS: Hooves (or feet)

3. Carotene is a substance that is orange in color. Which vitamin is carotene the precursor for?

ANS: Vitamin A

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

ANS: left side

5. What is the proper name for the disease commonly called Hardware Disease?

a) Pododermatitis b) Laminitis c) Acetonemia d) Traumatic gastritis

ANS: d) Traumatic gastritis

6. How many uterine horns are there in the reproductive tract of a dairy cow?

ANS: Two

7. What is the name of the heating process used to kill bacteria in milk?

ANS: Pasteurization

8. What ligament divides the udder into a right and left side and provides the main support for the udder?

ANS: median suspensory ligament

9. What process is used to distribute the fat evenly in the milk?

ANS: Homogenization

10. Which one of the following would be a good choice to provide additional fiber in a dairy ration?

- a) corn grain b) barley grain c) soybean meal d) cottonseed hulls

ANS: d) cottonseed hulls

11. Dairy calves typically are weaned at what age?

- a) 2-4 weeks b) 6-8 weeks c) 12-14 weeks d) 18-20 weeks

ANS: b) 6-8 weeks

12. What is the name of the byproduct recovered when cheese is made?

ANS: Whey

13. What hormone is required for the maintenance of pregnancy in a dairy cow?

ANS: progesterone

14. What is the minimum number of daughters that a bull is required to have for a bull proof to be published?

- a) 5 b) 10 c) 15 d) 20

ANS: b) 10

15. Of the following, which is the most important reason that we need to limit the time that a cow spends crowded in the holding area or pen on her way into the milking parlor?

- a) to reduce heat stress b) to reduce foot rot c) to reduce metritis

ANS: a) to reduce heat stress

16. What do the initials U.S.D.A stand for?

ANS: United States Department of Agriculture

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

ANS: pendulous

18. Which one of the following is the percentage of water contained in normal milk?

a) 97.5% b) 87.5% c) 77.5% d) 67.5%

ANS: b) 87.5%

19. What does "TMR" stand for?

ANS: Total Mixed Ration

20. What are you trying to estimate when you measure the heart girth of a dairy heifer with a special tape?

ANS: body weight

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. What percent of feed refusal is recommended to maximize feed intake in lactating cows?

ANS: 5 to 10%

2. Why do dairy farmers often place a KAMAR detector on the rump of their cows?

ANS: To help detect heat or estrus

3. In a 4-H dairy cattle judging contest, how many minutes are allowed for you to present a set of oral reasons?

ANS: 2 minutes