

2006 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. What disease are we trying to prevent by dipping the teats in a special solution following milking?

ANS: mastitis

2. What are zoonotic diseases (or zoonoses)?

- a) diseases found only in zoos b) incurable diseases
c) subclinical diseases d) diseases that are transmitted between vertebrate animals and humans

ANS: d) diseases that are transmitted between vertebrate animals and humans

3. True/False

It is a good management practice to formulate different rations for the dry cows and the milking cows.

ANS: True

4. What is the term used to describe a period of increased growth rate in heifers that follows a growth restriction earlier in the heifer's life?

ANS: compensatory growth (or compensatory gain)

5. Beef producers pay a one dollar per head checkoff for each beef animal sold at market. How much do dairy producers pay for each cull dairy cow that is sent to market?

- a) nothing b) 15 cents c) 50 cents d) one dollar

ANS: d) one dollar

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. Liquid nitrogen is used to freeze and store semen. What is the temperature (in degrees F) of liquid nitrogen?

- a) - 120 degrees F b) - 220 degrees F c) - 320 degrees F d) - 420 degrees F

ANS: c) - 320 degrees F

2. What is calcitic limestone used for in dairy cattle rations?

- a) protein supplement b) energy supplement c) fat supplement
d) calcium supplement

ANS: d) calcium supplement

3. Which one of the following is an indicator of mastitis?

- a) high milk production b) low somatic cell counts c) high somatic cell counts

ANS: c) high somatic cell counts

4. Which of the following is the definition of metritis?

- a) an infection of the udder b) an infection of the uterus c) foot rot

ANS: b) an infection of the uterus

5. Who is the current U.S. Secretary of Agriculture

ANS: Mike Johanns

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

- a) 2 minutes b) 3 minutes c) 4 minutes

ANS: a) 2 minutes

7. When using artificial insemination (A.I.) on a dairy cow, where should the semen be deposited?

- a) cervix b) fallopian tubes c) oviduct d) uterine body

ANS: d) uterine body

8. On the PDCA Dairy Cow Unified Score Card, how many points are assigned to the “Feet and Legs” category?

- a) 10 b) 15 c) 20 d) 40

ANS: a) 15

9. Which of the following is a description of embryo transfer?

- a) artificial insemination b) gestation c) the process of flushing fertilized eggs from donor cows and implanting them in recipient cows

ANS: c) the process of flushing fertilized eggs from donor cows and implanting them in recipient cows

10. How many pounds does one gallon of whole milk weigh?

- a) 8.6 b) 9.6 c) 10.6

ANS: a) 8.6 pounds

11. What do the initials PTA stand for in a sire summary?

ANS: Predicted Transmitting Ability

12. In North Carolina, the highest conception rates would be expected in which one of the following months?

- a) July b) August c) September d) December

ANS: d) December

13. Which one of the following is found in the greatest amount in corn grain?

- a) starch b) protein c) fat d) fiber

ANS: a) starch

14. What is the name of the sugar that is found only in milk?

ANS: lactose

15. What is present in colostrum that provides the newborn calf with passive immunity to disease?

- a) lactose b) immunoglobulin or antibodies c) carbohydrate d) fat

ANS: b) immunoglobulin or antibodies

16. When you set up a lactating dairy cow in the show ring, the rear leg nearest the judge should be placed:

- a) farther forward than the other leg b) farther back than the other leg
c) the same as the other leg d) it does not matter how the rear legs are placed

ANS: a) farther forward than the other leg

17. Which of the following feed additives are ionophores that have been shown to increase feed efficiency and body weight gain in heifers?

- a) Rumensin and Bovatec b) sodium bicarbonate and magnesium oxide
c) selenium and biotin

ANS: a) Rumensin and Bovatec

18. Corn gluten meal and blood meal are often used in rations as sources of:

- a) degradable protein b) rumen undegradable or “bypass” protein c) carbohydrate
d) fat

ANS: b) rumen undegradable or “bypass” protein

19. What is the blister-like structure on the ovary that contains the egg before ovulation?

- a) follicle b) cervix c) uterus

ANS: a) follicle

20. Which of the following feeds is a by-product of an ethanol fuel production facility?

- a) alfalfa b) fescue c) distillers grains d) clover

ANS: c) distillers grains

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. True/False

Rumensin (Monensin) is now approved to be fed to milking cows.

ANS: True

2. The DRMS is located in Raleigh. What does DRMS stand for?

ANS: Dairy Records Management Systems

3. In reference to the national dairy industry, what does ADSA stand for?

ANS: American Dairy Science Association