

2004 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 is the term used in dairy judging to describe when the hocks are close together?

ANS: a) cow-hocked

2. On a dairy farm, what do the terms herringbone, parallel and side-opening refer to?

ANS: Types or designs of milking parlors or milking centers

3. True or False

It is a good management practice to feed different specific rations to the dry cows and the milking cows.

ANS: True

4. In reference to milk quality, what do the letters CMT stand for?

ANS: California Mastitis Test

5. Why is it a recommended practice to dip the teats in a special solution following milking?

ANS: To prevent mastitis

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. What is the primary cause of death in calves that have scours?

a) pneumonia b) starvation c) dehydration

ANS: c) dehydration

2. Which gland produces the hormone oxytocin?

ANS: Pituitary gland

3. During cold weather, what happens to the calf's requirement for energy:

a) it stays the same b) it decreases c) it increases

ANS: c) it increases

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

ANS: Dairy Records Management Systems

5. What is the name of the wax-like material that lines the teat canal?

ANS: keratin

6. 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

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

- a) follicle b) cervix c) uterus**

ANS: a) follicle

8. Which vitamin can be produced within the skin of most mammals including dairy cattle?

ANS: Vitamin D

9. 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

10. Which of the following is an indicator of mastitis?

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

ANS: a) high somatic cell counts

11. Which of the following is highest in crude protein?

- a) cottonseed hulls b) whole cottonseed c) cottonseed meal**

ANS: c) cottonseed meal

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

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

ANS: c) 2 minutes

13. 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

14. 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

15. 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

16. What are zoonotic diseases (or zoonoses)?

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

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

17. 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)

18. What is the common name for the disease "acetonemia"?

- a) hardware disease b) ketosis c) circling disease d) blackleg

ANS: b) ketosis

19. On a DHIA record, what does "days to first service mean"?

- a) time from dry off to calving b) days from calving until first breeding date
c) days from calving until conception

ANS: b) days from calving until first breeding date

20. What does USDA stand for:

ANS: United State Department of Agriculture

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 of 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 is the name of the small projections that line the wall of the small intestine and function to absorb nutrients?

ANS. Villi

2. Which compartment of the ruminant stomach is also called “manyplies”?

ANS: Omasum

3. How many amino acids are considered to be “essential” by the dairy cow and therefore must be provided in the diet?

a) 10 b) 20 c) 30

ANS: a) 10