

2009 Senior 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. Which one of the following is likely to happen when we feed too much crude protein in the ration?

- a) acidosis b) fatty liver c) increase in nitrogen excretion to the environment**

ANS: c) increase in nitrogen excretion to the environment

2. Lungworm is often caused by worm larvae taken up when cows:

- a) eat grass on pasture b) are inseminated
c) eat a corn silage based TMR from a feedbunk**

ANS: a) eat grass on pasture

3. Which one of the following ruminant stomach compartments functions to squeeze fluid out of the digesta?

- a) rumen b) reticulum c) omasum d) abomasum**

ANS: c) omasum

4. Which one of the following is term for a large and complex protein material that is capable of causing disease and that reproduces only inside a host cell?

- a) virus b) bacteria c) protozoa d) staphylococcus**

ANS: a) virus

5. In reference to milk processing, what is a "make allowance"?

- a) difference between monthly somatic cell counts b) cost of turning milk into cheese
c) lunge space for cows in freestall barns d) amount of waste milk from treated cows**

ANS: b) cost of turning milk into cheese

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 part of the cow's back lies between the loin and the withers?

ANS: Chine

2. Which breed has its major All-American Show in Louisville, Kentucky?

a) Ayrshire b) Guernsey c) Jersey d) Brown Swiss

ANS: c) Jersey

3. In reference to milk production, what does FCM stand for?

ANS: Fat-corrected milk

4. Regarding genetics, what is the term for the observed traits of an individual?

a) genotype b) phenotype c) heritability d) reliability

ANS: b) phenotype

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

ANS: Tom Vilsack

6. Who developed the butterfat test that was the basis for DHIA testing?

a) Pasteur b) Borden c) Babcock d) Westphalia

ANS: c) Babcock

7. What is the term for a difficult or abnormal calving?

- a) acetonemia b) dystocia c) ketosis d) metritis

ANS: b) dystocia

8. What does CAFO stand for?

ANS: Concentrated Animal Feeding Operations

9. What disease in dairy cattle is caused by Mycobacterium paratuberculosis?

ANS: Johnes disease

10. During nutrient metabolism, what is the term for a protein that acts as a catalyst in starting or speeding up certain chemical reactions?

ANS: enzyme

11. Gossypol is a toxic pigment that can be found in which one of the following:

- a) corn grain b) alfalfa hay c) whole cottonseed d) wheat silage

ANS: c) whole cottonseed

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

ANS: Anthelmintics (also accept dewormers)

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

ANS: Mad Cow Disease

14. What substance can increase to toxic levels in the lower section of the corn plant stalk during a prolonged period of drought?

ANS: Nitrate

15. What is the time period called after calving (abbreviated VWP) when you choose not to breed a cow?

ANS: Voluntary Waiting Period

16. In reference to milk production records, what does M.E. stand for?

ANS: Mature Equivalent

17. Why should a teat dip be used after milking?

ANS: To reduce or prevent udder infections (mastitis)

18. There are 9 kilocalories of energy provided in one gram of:

a) protein b) carbohydrate c) fat d) water

ANS: c) fat

19. Which section of the reproductive tract does the A.I. inseminating rod pass through just before the semen is deposited?

ANS: cervix

20. Which class is Grade A milk that is used for fluid consumption assigned?

a) Class 1 b) Class 2 c) Class 3 d) Class 4

ANS: a) Class 1

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. The official placing on a class of cows is 3-4-2-1 with cuts of 4-4-5. Your placing is 4-3-1-2. Calculate your score.

ANS: 41

2. What is the most costly disease affecting the dairy industry?

ANS: Mastitis

3. What is the minimum amount of silage that should be removed from the exposed surface of a trench silo each day to prevent spoilage?

a) 2 inches b) 6 inches c) 12 inches d) 24 inches

ANS: b) 6 inches