

2013 Junior Dairy Quiz Bowl Questions

Round 06

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. In young ruminants, what is the name of the anatomical structure that sends milk from the esophagus to the abomasum?

ANS: Esophageal groove

2 A type of mastitis in which there is not a detectable change in the udder itself and no observable abnormality of the milk is known as:

a) acute b) chronic c) clinical d) subclinical

ANS: d) subclinical

3. At what point in a lactation curve does peak lactation typically occur?

a) 2-4 weeks b) 6-8 weeks c) 10-12 weeks d) 12-14 weeks

ANS: b) 6-8 weeks

4. What is the structure on the ovary that produces progesterone throughout the pregnancy in the dairy cow as well as the goat?

ANS: Corpus luteum

5. Which of the following is the name of the organization that is charged with evaluating genetic traits of dairy cattle?

**a) Animal Improvement Programs Laboratory (AIPL)
b) Dairy Business Association (DBA) c) Dairy Herd Improvement Association (DHIA)
d) World Dairy Expo (WDE)**

ANS: a) Animal Improvement Programs Laboratory (AIPL)

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. It takes approximately how many pounds of milk to make one (1) pound of cheese:

ANS: 10 pounds of milk

2. Which of the following food products is not made from milk?

a) cheese b) yogurt c) Cool-Whip d) ice cream

ANS: c) Cool-Whip

3. Which compartment of the ruminant stomach functions to trap foreign objects such as wire or nails that may be eaten?

ANS: reticulum

4. In addition to the Jersey breed, what other breed of dairy cow also originated on an island in the British channel.

ANS: Guernsey

5. What breed of dairy cow originated in Scotland?

ANS: Ayrshire

6. Which breed of dairy goat originated in the United States?

ANS: LaMancha

7. As a growing plant gets older, what happens to its concentration of fiber?

- a) it increases b) it decreases c) it remains the same

ANS: a) it increases

8. What length of dry period (in days) will maximize milk production in the following lactation?

ANS: 60 days

9. Parallel, rotary and herringbone are types of:

ANS: Milking Parlors

10. When, in the milking order, should cows with mastitis be milked?

ANS: last

11. Which of the following is not a legume?

- a) barley b) alfalfa c) clover d) soybeans

ANS: a) barley

12. What is another name for the hook of a cow?

- a) thurl b) hip c) pin d) hock

ANS: b) hip

13. Drought-stressed forages can be toxic to dairy animals due to:

- a) high protein b) high fat c) high nitrates

ANS: c) high nitrates

14. Which one of the following, when fed in excess, can cause overconditioned (fat) heifers?

- a) protein b) fiber c) energy d) calcium

ANS: c) energy

15. On the average, how many days are there between heat periods in dairy cattle that are cycling normally?

- a) 12-15 days b) 18-21 days c) 28-30 days

ANS: b) 18-21 days

16. Which compartment of the cow's stomach is where the majority of the feed fiber is digested by microorganisms?

ANS: rumen

17. Which of the following causes ringworm on dairy cattle?

- a) fungus b) virus c) bacteria

ANS: a) fungus

18. How many cups of milk does USDA's MyPyramid recommend consuming every day?

- a) 2-3 cups b) 5-6 cups c) 8-9 cups

ANS: a) 2-3 cups

19. 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

20. Your veterinarian says that a cow is in the first trimester. What does that mean?

ANS: first 3 months of pregnancy

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. According to the PDCA Dairy Cow Unified Scorecard, “movement” is a consideration in which of the following breakdowns?

- a) frame b) dairy strength c) rear feet and legs d) udder**

ANS: c) rear feet and legs

2. If a corn silage sample contains 35% dry matter, what percentage moisture is it?

ANS: 65% moisture

3. There are approximately how many dairy cows in North Carolina?

- a) 36,000 b) 48,000 c) 60,000 d) 72,000**

ANS: b) 48,000