

Senior Round 4

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 term for the condition involving the ovaries when the cow comes into heat every few days?
 - a. Lactation
 - b. Cystic
 - c. Anestrus
 - d. Placenta

ANSWER: b. cystic

2. What is the term that describes the “energy used up in the consumption, digestion, and metabolism of a feed”?
 - a. Gross energy
 - b. Net energy
 - c. Heat increment

ANSWER: c. heat increment

3. What bacteria causes “circling disease” in cattle?
 - a. Listeria
4. Where are immunoglobulins in colostrum absorbed in the newborn calf?
 - a. Small intestine
5. What is the Koster tester used to determine?
 - a. Dry Matter (or moisture)
6. What is the term for a difficult or abnormal calving?
 - a. Acetonemia
 - b. Dystocia
 - c. Ketosis
 - d. Metritis

ANSWER: b. dystocia

7. What is the name of the current national dairy farmer-funded program that is being used to help stabilize milk prices?
 - a. The CWT program, which stands for cooperatives working together
8. What is the name of the process where plants like alfalfa and clover convert atmospheric nitrogen into nitrogenous compounds that are useful to the plants?
 - a. Nitrogen fixation
9. Which of the following is not a good source of energy for dairy cows?
 - a. Corn grain
 - b. Corn gluten feed
 - c. Fish meal
 - d. Barley grain

ANSWER: c. fish meal

10. What is the name of the foundation that provides the majority of the funding support for the North Carolina Dairy Youth Program?
 - a. North Carolina Dairy Youth Foundation
11. The total amount of energy that a feed contains can be determined in the laboratory using a "bomb calorimeter." What is the term for this total amount of energy?
 - a. Gross energy
12. Which of the following forages normally has the lowest protein content?
 - a. Orchardgrass pasture
 - b. Alfalfa hay
 - c. Corn silage

ANSWER: c. corn silage

13. NDF consists of hemicellulose, cellulose, and lignin. Which of these is the least digestible?
 - a. lignin
14. Which is the term used to describe the physical characteristics and performance of an individual?
 - a. Phenotype
15. What act established the Cooperative Extension Service?
 - a. Smith-Lever
16. In addition to pneumonia, what is the other leading cause of death in young calves?
 - a. Scours (also accept diarrhea)
17. What percentage of nitrogen do most proteins contain?
 - a. 12%
 - b. 16%
 - c. 20%
 - d. 24%

ANSWER: b. 16%

18. If a herd's conception rate is 50%, what percentage of the cows should be pregnant after 2 services?
 - a. 25%
 - b. 50%
 - c. 75%
 - d. 100%

ANSWER: c. 75%

19. Which of the following is not a legume?

- a. Soybeans
- b. Lespedeza
- c. Red clover
- d. Triticale

ANSWER: d. triticale

20. Which of the following is not a primary organism associated with mastitis?

- a. Staphylococcus Aureus
- b. Streptococcus Agalactica
- c. Streptococcus Uberous
- d. Brucella Abortus

ANSWER: D. Brucella Abortus