

Junior 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. Which is not a part of the cow's small intestine?
a. Duodenum b. ileum c. jejunum d. colon
ANSWER: d. colon
2. Protocols such as Ov-Synch, CIDR-PG, and 2-shot PG are used in cows primarily for what reason?
a. Mastitis treatment b. heat detection c. estrus synchronization
ANSWER: c. estrus synchronization
3. In a lactating dairy cow, which one of the following is the hormone released when a cow is frightened and is responsible for a cow not having milk letdown?
a. Adrenaline (or epinephrine) b. oxytocin c. progesterone
ANSWER: a. adrenaline (or epinephrine)
4. Which of the following is the term for a completely hydrogenated fat that contains no double bonds?
a. Unsaturated fat b. saturated fat c. vegetable oil
ANSWER: b. saturated fat
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 Information Association (DHIA)
d. World Dairy Expo (WDE)
ANSWER: a. Animal Improvement Programs Laboratory (AIPL)
6. Which ruminant stomach compartment is the largest relative size in a newborn calf?
a. Rumen
b. Reticulum
c. Omasum
d. Abomasum
ANSWER: d. abomasum
7. Which of the following is the main reason that the feed additive Deccox (decoquinate) is often included in calf starter feed?
a. To control coccidian
b. As a source of calcium
c. To control flies
ANSWER: a. to control coccidian

8. Which of the following is a warm season or C4 grass?

- a. Fescue
- b. Alfalfa
- c. Bermuda
- d. Orchard grass

ANSWER: c. Bermuda

9. As corn silage ferments properly in the silo, what happens to the pH of the silage?

- a. It increases
- b. It decreases
- c. It does not change

ANSWER: b. it decreases

10. Name the part of the cow that is located just forward of the chine.

- a. Withers

11. Which one of the following is not a compartment of the cow's stomach?

- a. Omasum
- b. Reticulum
- c. Rumen
- d. Colon

ANSWER: d. colon

12. Many dairy farmers enroll their herds in the DHI milk testing and record-keeping program. What does DHI stand for?

- a. Dairy Herd Information

13. Eumonisin and Zearaleonone are examples of

- a. Viruses
- b. Carbohydrates
- c. Lipids
- d. Mycotoxins

ANSWER: d. mycotoxins

14. A deficiency of this trace mineral has been associated with retained placenta in cows and white muscle disease in calves?

- a. Potassium
- b. Iron
- c. Selenium
- d. Magnesium

ANSWER: c. selenium

15. Drought stressed forages can be toxic to dairy animals if they contain:

- a. High levels of protein
- b. High levels of fat
- c. High levels of nitrates

ANSWER: c. high levels of nitrates

16. What are acetate, propionate, and butyrate?

- a. Volatile fatty acids produced in the rumen
- b. Amino acids
- c. Somatic cells

ANSWER: a. volatile fatty acids produced in the rumen

17. Which of the following is not classified as a macro-mineral?

- a. Calcium
- b. Phosphorous
- c. Potassium

d. Selenium

ANSWER: d. selenium

18. What is the name of the cheese that is light colored, noted for its firm texture, and known for having holes or air pockets throughout?

a. Swiss cheese

19. What is the name used for a diagram that shows the dairy animals ancestors?

a. Sire summary

b. Pedigree

c. Registration number

ANSWER: b. pedigree

20. What is another name for diarrhea in calves?

a. Scours