

## Junior Round 1

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 name for the sugar found in milk?
  - a. Lactose
2. How many upper front teeth does a cow have?
  - a. None   b. 14   c. 22   d. 32ANSWER: a. none
3. What is the common name for the disease BSE (Bovine Spongiform Encephalopathy)?
  - a. Mad Cow Disease
4. What does USDA stand for?
  - a. United States Department of Agriculture
5. True or false: An embryo with two X chromosomes will result in a female calf.
  - a. True
6. What is the average gestation period (in days) for a cow?
  - a. 280 days (accept 275 to 285 days)
7. Which two breeds of dairy cattle originated on islands in the English Channel?
  - a. Guernsey and Jersey
8. Which of the following plants is **not** classified as a legume?
  - a. Soybean   b. clover   c. alfalfa   d. corn
  - b. ANSWER: d. corn
9. Which one of the following is the name of the section of a cow's back located closest to the tail head?
  - a. Chine   b. thurl   c. rump   d. loin
  - b. ANSWER: c. rump
10. In a dairy cow, which of the following is the name of the opening that the digesta flows through as it enters the omasum?
  - a. Jejunum   b. colon   c. ileum   d. reticulo-omasal orifice
  - b. ANSWER: d. reticulo-omasal orifice
11. Which of the following vitamins is water soluble?
  - a. Vitamin A   b. Vitamin D   c. Vitamin C   d. Vitamin K
12. What is the term used to describe a heifer that is too fat?
  - a. Overconditioned
13. From which country did the Holstein cow originate?
  - a. Netherlands
14. Which of the following is the proper name for the condition known as milk fever?
  - a. Mastitis   b. parturient paresis   c. founder   d. laminitis

15. On a milking machine, if the milk to rest pulsation ratio is set at 60:40, what percent of time is the inflation open?
- 60%
16. In North Carolina, which one of the following is a weather-related management issue that has a great effect on milk production, especially during the summer?
- Scours
  - acidosis
  - rainfall
  - heat stress
- b. ANSWER: d. heat stress
17. If a corn silage sample contains 68% moisture, what percentage dry matter is it?
- 32% dry matter
18. When artificially inseminating cows the semen should be deposited in the
- Cervix
  - vagina
  - uterine body
  - fallopian tubes
- b. ANSWER: c. uterine body
19. Which breed's milk generally has the highest level of beta-carotene which gives the milk a golden color?
- Holstein
  - Jersey
  - Brown Swiss
  - Guernsey
- b. ANSWER: d. Guernsey
20. Using a scale of 1 to 5, what should a dry cow's body condition score be?
- 1.5 to 2.0
  - 2.5 to 3.0
  - 3.5 to 4.0
- b. ANSWER: c. 3.5 to 4.0