2002 Junior Dairy Quiz Bowl Questions       Round 02

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 regards to a feed analysis report, what do the initials ADF stand for?

ANS: Acid detergent fiber

2. What is the average gestation period (in days) for a cow?

ANS: 280 days (accept 275 to 285 days)

3. In a sire summary, what do the initials PTA stand for?

ANS: Predicted Transmitting Ability

4. How many days is an optimum dry period?

ANS: 45 to 60 days

5. What is the proper name for the abnormal condition known as “twisted stomach”?

ANS: Displaced abomasum

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. The casein in milk is part of which nutrient?
   a) lactose  b) protein  c) fat  d) carbohydrate
   ANS:  b) protein

2. In North Carolina, the highest conception rates would be expected in which month?
   a) August  b) December  c) July  d) September
   ANS:  b) December

3. On DHIA records, lactation length is standardized to how many days?
   a) 305 days  b) 365 days  c) 280 days  d) 380 days
   ANS:  a) 305 days

4. A primary source of protein in dairy cattle diets is:
   a) corn grain  b) sodium bicarbonate  c) soybean meal  d) calcitic limestone
   ANS:  c) soybean meal

5. The process of flushing fertilized eggs from donor cows and implanting them in recipient cows is called:
   a) gestation  b) embryo transfer  c) cloning  d) artificial insemination
   ANS:  b) embryo transfer

6. The condition in which a cow is receptive to be bred is called:
10. The term for the period when the calf is developing in its mother’s womb is called:
   a) parturition  b) lactation  c) gestation  d) paresis
   ANS:  c) gestation

11. Parturient paresis is the proper name for:
   a) the birth process  b) the dry period  c) milk fever  d) ketosis
   ANS:  c) milk fever

12. True or False
   The Holstein breed originated in France.
   ANS: False

13. The corpus luteum (yellow body) maintains pregnancy by secreting which hormone?
   a) oxytocin  b) adrenaline (epinephrine)  c) progesterone  d) testosterone
ANS:  c) progesterone

14. An infection of the uterus is called:
   a) mastitis   b) metritis (or pyometra)   c) winter dysentery   d) IBR
   ANS:  b) metritis (or pyometra)

15. Which of the following is found in the greatest amount in corn grain?
   a) starch   b) fiber   c) fat   d) protein
   ANS:  a) starch

16. True or False
    On a dairy cow, the pin bone and hip bone are the same thing.
    ANS:  False

17. Which two breeds of dairy cattle originated on islands in the English Channel?
    ANS:  Guernsey and Jersey

18. Where do you deposit the material when an injection is given I.M.?
    ANS:  Into the muscle

19. On a dairy farm, what do the terms herringbone and parallel refer to?
    ANS:  Types or designs of milking parlors or milking centers

20. When you measure the heart girth of a dairy animal with a special tape, what are you trying to estimate?
    ANS:  Body weight

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. What is the name of the disease in people that is the same as Brucellosis in cattle?

ANS: Undulant Fever

2. What is the name of the waxy substance that is found in the teat duct (streak canal)?

ANS: Keratin

3. What does 305-2X-ME stand for in a cow milk production record?

ANS: 305 days, 2 times a day milking, mature equivalent

4. Compute your score using a 50 point maximum. The official placing is 1-2-3-4 with cuts of 2-4-5. Your placing is 1-3-2-4. What is your score?

ANS: 46

5. What do the initials BST stand for?

ANS: Bovine somatotropin