



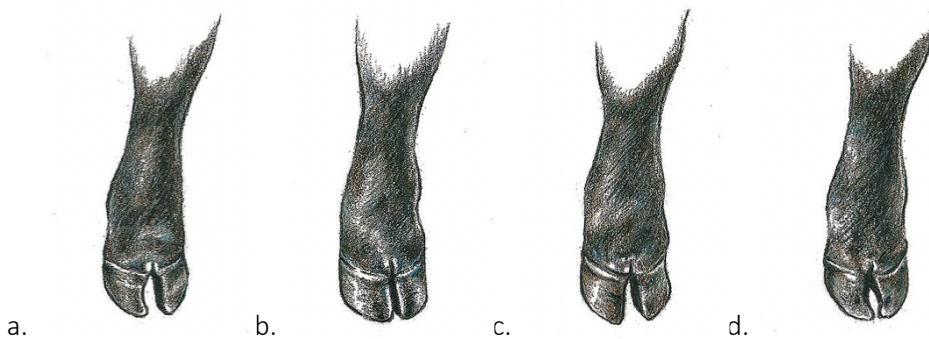
2024 Cattlemen's Quiz - Junior Division

You have 60 minutes to complete this quiz. Questions 31 through 35 are tiebreaker questions. Further ties will be broken by order of finish.

For each question, choose the best answer.

1. What is dystocia?
 - a. A common cattle respiratory disease
 - b. Calving difficulty
 - c. A liquid feed additive
 - d. The medical name for foot rot

2. Which of these hooves is closest to ideal?
Artwork by Amanda Raithel Art.



3. Refer back to Question 2. What Claw Score would be given to the hoof that is closest to ideal?
 - a. 1
 - b. 3
 - c. 5
 - d. 10
4. What is the most common sign of a nutritional problem within the herd?
 - a. Weight loss
 - b. Hoof problems
 - c. Sick calves
 - d. Open cows
5. What is the normal body temperature of a healthy beef cow?
 - a. 98.6° F
 - b. 101.5° F
 - c. 102.1° F
 - d. 104.0° F

6. Which of the following is not an example of a Continental breed?

- a. Simmental
- b. Maine-Anjou
- c. Charolais
- d. Beefmaster

7. When evaluating structural soundness, you should pay the most attention to which parts of the animal?

- a. Shoulders and topline
- b. Rib cage and belly line
- c. Feet and legs
- d. Head and neck

8. What is the most common method of pregnancy testing in beef cattle?

- a. Ultrasounding
- b. Blood testing
- c. Urine testing
- d. Rectal palpation

9. The majority of beef calves are weaned at what age?

- a. 2 to 4 months
- b. 4 to 6 months
- c. 6 to 8 months
- d. 8 to 10 months

10. Refer to the image to the right. What is this tool used for?

- a. Fencing
- b. Castration
- c. Tissue sampling
- d. Hoof trimming



11. A _____ is commonly used in heat synchronization protocols.

- a. CIDR
- b. SEDR
- c. cedar
- d. seeder

12. A group of rhinoceroses is called a crash. A group of giraffes is called a tower. What is a group of cattle called?

- a. Herd
- b. Flock
- c. Pack
- d. Troop

13. Which chromosome pair does a female have?

- a. XX
- b. XY

14. When twin calves are born of the opposite sex, it is common for one of them to be infertile. The infertile calf is known as a freemartin. When this happens, which calf is the freemartin?
- Bull
 - Heifer
 - The first calf born
 - The second calf born
15. According to the most recent Census of Agriculture, what is the average beef cow herd size in the United States?
- 64 head
 - 54 head
 - 44 head
 - 34 head
16. What is the common name of the medical condition that occurs when a beef animal ingests a sharp or pointy metal object that later pierces the reticulum?
- Shingles
 - Puncture Gut
 - Rickets
 - Hardware
17. You successfully bred your Purebred Simmental show heifer on March 27. Approximately when should you expect her to calve?
- January 6
 - January 28
 - February 6
 - February 28
18. Injections should be given in which part of a cow's body, unless otherwise stated on the label?
- Rump
 - Neck
 - Shoulder
 - Flank
19. Which part of a cow's reproductive tract nourishes and protects the developing fetus during pregnancy?
- Uterus
 - Ovary
 - Fallopian tube
 - Cervix
20. Seven-way and 8-way vaccines, such as One Shot Ultra® 7 and Covexin® 8, are used to prevent:
- respiratory disease
 - reproductive disease
 - gastrointestinal disease
 - clostridial disease

21. What is the name of the first Simmental registered with the American Simmental Association?
- Signal
 - Broker
 - Galant
 - Parisien
22. Cattle exposed to direct sunlight are rarely deficient in which vitamin?
- Vitamin A
 - Vitamin C
 - Vitamin D
 - Vitamin K
23. As long as it is stored and handled properly, how long can frozen semen be stored?
- 2 to 5 years
 - 5 to 10 years
 - 10 to 20 years
 - Forever
24. Some beef producers, especially those with a dairy background, might say that a cow is “dry.” What do they mean?
- She is not lactating.
 - She is showing signs of dehydration.
 - They have tried to flush her, but she isn’t making any usable embryos.
 - She is no longer able to produce a calf.
25. What is the most important nutrient in a beef animal’s diet?
- Grain
 - Hay/Grass
 - Water
 - Salt
26. Which parasite is found internally in cattle?
- Lice
 - Ticks
 - Flies
 - Coccidia
27. Body condition scoring is a method used to estimate ____ on cattle.
- Hair length
 - Temperament
 - Frame
 - Fat cover
28. Red coat color is a _____ gene in cattle.
- Dominant
 - X-linked
 - Recessive
 - Co-dominant

29. Which of the following is a by-product on a beef carcass?

- a. Brisket
- b. Sirloin
- c. Short ribs
- d. Hooves

30. Which USDA quality grade score is the lowest?

- a. Standard
- b. Choice
- c. Prime
- d. Select

Tie Breaker Questions

31. In a mature cow, which of the four stomach compartments is the largest?

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

32. For a single trait, a bull has one dominant gene and one recessive gene. He is _____ for that trait.

- a. balanced
- b. unpredictable
- c. incomplete
- d. heterozygous

33. The process of flushing fertilized eggs from a donor cow and transplanting them into recipient cows is known as:

- a. In Vitro Fertilization (IVF)
- b. Superior Genetic Programming (SGP)
- c. Embryo Transfer (ET)
- d. Artificial Insemination (AI)

34. An animal is described as 'Docile with a mild disposition. Gentle and easily handled.' What would its docility score be?

- a. A
- b. 1
- c. 2
- d. 5

35. Who is the Commission of the Texas Department of Agriculture?

- a. Sid Miller
- b. Greg Abbott
- c. Wade Shafer
- d. Wayne Christian