

2005 AJSA National Classic

Senior Herdsman Quiz

*Choose the best answer to the following questions.

1. How many members make up the ASA Board of Trustees?

1. 12
2. 8
3. 6
4. None of the above

2. Which of the following is a type of connective tissue that can be responsible for differences in the tenderness of beef?

- A. Collagen
- B. Gelatin
- C. Myostatin
- D. Calpain

3. Which of the following is a common viral disease of cattle?

- A. E. Coli
- B. Black Leg
- C. Infectious Bovine Rhinotracheitis
- D. None of the above

Use the following breeds to answer questions 4-10.

- A. Simmental
- B. South Devon
- C. Beefmaster
- D. Limousin

4. Which breed would provide the highest level of paternal heterosis?

5. Which would you expect to have the largest average rib eyes area per pound of live weight?

6. Which is a British breed?

7. Which should be the best adapted to very hot climate regions?

8. Which breed published the first sire summary in the US?

9. Which breed was the first to publish EPDs to help improve beef tenderness?
10. Which breed has an EPD for disposition?
11. True or False. Angus cattle in Scotland were originally found in black, red and dun colors.
- A. True
 - B. False
12. The shoulder of a live steer is the _____ on a steer carcass.
- 1. Round
 - 2. Loin
 - 3. Chuck
 - 4. Brisket
13. For which of the following is there currently not a DNA test commercially available?
- A. Homozygous Polled
 - B. Homozygous Black
 - C. Spotting Gene
 - D. Gene Star Marbling
14. True or False. NLC Black Light is a black son of the popular red sire MV Red Light. Therefore, MV Red Light must be heterozygous black.
- A. True
 - B. False
15. True or False. Research has shown that females who are wider at their pins calve more easily than those who are narrow at their pins.
- A. True
 - B. False
16. Which of the following minerals is necessary in the greatest quantity for beef cattle?
- A. Zinc
 - B. Lysine
 - C. Phosphorous
 - D. Copper

17. Which of the following is not generally considered a large cattle feeding (feedlot) state?
- A. Kansas
 - B. Texas
 - C. Nebraska
 - D. North Dakota
18. Which of the following can currently be imported from Canada?
- A. Boneless muscle cuts of beef
 - B. Feeder cattle
 - C. Breeding age females
 - D. None of the above can currently legally be imported
19. Marbling in beef is primarily responsible for which consumer sensory trait?
- A. Tenderness
 - B. Texture
 - C. Beef Flavor
 - D. All of the above
20. Which of the following might you expect to have the highest dressing percent on average?
- A. A 1,300 pound, finished, Charolais steer
 - B. A 1,400 pound Holstein steer
 - C. A Pregnant Angus heifer
 - D. A 1,000 pound, thin condition, Hereford steer
21. Which of the following factors can affect dystocia?
- 1. Age of dam
 - 2. Calf birth weight
 - 3. Sex of Calf
 - 4. All of the above
22. An A maturity heifer carcass with a marbling score of Small 90 would have which of the following USDA marbling scores?
- A. High Select
 - B. Average Choice
 - C. Standard
 - D. None of the above

23. Which of the following is most resistant to microbial digestion in the rumen?

1. Cellulose
2. Lignin
3. Sugars
4. Hemicellulose

24. What does the term "pull" mean in a commercial feedlot?

- A. Treat a sick animal
- B. Draw vaccine into a syringe
- C. Sorting finished cattle out of a pen to sell
- D. Hedging cattle on the Board of Trade to lock in sales price

25. The correlation between birth weight and mature size is _____.

- A. Positive and low
- B. Positive and high
- C. Negative and high
- D. Zero

26. One popular strategy to minimize the feeding of harvested forage is to _____.

- A. Feed corn silage
- B. Feed Ionophores
- C. Graze stockpiled grasses
- D. None of the above

27. The official placing of a judging class is 2-3-1-4 and the cuts are 3-5-2. If your placing is 1-4-2-3, what should your score be?

- A. 30
- B. 42
- C. 24
- D. None of the above

28. Which of the following is not commonly used in estrus synchronization programs?
- A. Gonadatropin Releasing Hormone
 - B. CIDR's
 - C. Epinepherine
 - D. Prostaglandin
29. Which gland produces Oxytocin?
- A. Anterior Pituitary
 - B. Posterior Pituitary
 - C. Adrenal Gland
 - D. None of the above
30. True or False. On average, crossbred females have significantly greater longevity and lifetime production than straight bred females.
- A. True
 - B. False
31. Ultrasound data must be interpreted by an accredited, standardized processing lab in order to be used in the ASA database and EPDs to discourage the use of unreliable or misrepresented scan information.
- A. True
 - B. False
32. Which of the following is located the most ventral on a live heifer?
- A. Ears
 - B. Rump
 - C. Point of the Shoulder
 - D. Navel
33. Which of the following is the correct spelling?
- A. Brahma
 - B. Braman
 - C. Brahman
 - D. Brama

34. Which of the following compartments of the bovine digestive system is furthest posterior?
- Abomasum
 - Omasum
 - Rumen
 - Reticulum
35. In general, Bos Taurus cattle reach puberty earlier in their life than Bos Indicus breeds.
- True
 - False
36. In which of the following breeding system is it possible to realize the highest level of heterosis?
- Purebreeding
 - Two breed rotational
 - Rototerminal
 - Static Terminal
37. True or False. Only animals that are at least 50% Angus are eligible for the Certified Angus Beef branded beef program.
- True
 - False
38. Which of the following is considered a "Natural" beef program?
- Excel Sterling Silver
 - Meyer Natural Angus Beef
 - Ranchers Reserve
 - Nolan Ryan Tender Aged Beef
39. Which of the following products would be most likely to contain significant levels of food borne pathogens?
- Uncooked hamburger
 - Uncooked Chuck Roast
 - Vacuum packaged Brisket
 - Packaged Beef Salami

40. All hot branding reduce the value of the beef hide. Which of the following brand locations reduces hide value the most?

- A. Rib brand
- B. Hip brand
- C. Shoulder brand
- D. Jaw

41. Which of the following is the recognized international Simmental organization?

- A. International Simmental Association
- B. World Simmental Federation
- C. International Simmental/Fleckvieh Federation
- D. SimiWorld

Use the following Simmental bulls to answer questions 42-45.

- A. Black Irish Kansas
- B. Parisian
- C. CNS Dream On L186
- D. SRS Fortune 500

42. Which bull is traditional in his color pattern?

43. Which bull is homozygous black and homozygous polled?

44. Which bull's picture was featured in the ASA's national advertising campaign in 2004?

45. Which bull is the youngest?