

2013 TJSSA State Futurity

Intermediate/Senior Cattleman's Quiz

1. Who has been announced as the new CEO of the American Simmental Association upon the retirement of Dr. Jerry Lipsey?
 - a. Dr. Scott Greiner
 - b. Dr. Wade Shafer
 - c. Jack Ward
 - d. Steve McGuire

2. An intact male bovine that has undergone a penile deviation is commonly referred to as a:
 - a. Bull
 - b. Ox
 - c. Gomer
 - d. Cryptorchid

3. Which hormone if administered to a pregnant cow in her first or second trimester would cause the abortion of the fetus?
 - a. Prostaglandin
 - b. Progesterone
 - c. GnRH
 - d. Luteinizing Hormone

4. A hamburger patty of ground beef should be cooked to an internal temperature of ___ degrees.
 - a. 100
 - b. 120
 - c. 140
 - d. 160

5. Generic deworming products are just as effective as name brand deworming products.
 - a. True
 - b. False

6. You are surgically castrating a bull calf and he is hemorrhaging blood from the procedure, which vitamin could be administered as a shot to stop bleeding?
 - a. A
 - b. D
 - c. E
 - d. K

7. A second generation crossbred has lower heterosis than the first generation crossbred animal.
 - a. True
 - b. False

8. Which of the following retail cuts is not a value-added cut from the chuck or round?
 - a. Delmonico steak
 - b. Flat Iron steak
 - c. T-Bone steak
 - d. Western Tip steak

9. Aspiration is a technique associated with which process?
 - a. Embryo Transfer
 - b. In Vitro Fertilization
 - c. Artificial Insemination
 - d. Carcass Ultrasound

10. What is the name of the American Junior Simmental Association's Leadership Conference, being held in Stillwater, Oklahoma this year?
 - a. Pride
 - b. Lead
 - c. Round Up
 - d. Summit

11. After calves are weaned they move to which segment of the beef industry?
 - a. Feedlot
 - b. Packer
 - c. Stocker
 - d. Commercial Cow/Calf

12. Which part of the digestive tract functions to absorb water from remaining indigestible food matter and then passes useless waste material from the body?
 - a. Large Intestine
 - b. Small Intestine
 - c. Stomach
 - d. Spleen

13. Which docility score would you give to calf at weaning that exhibits extremely aggressive behavior?
 - a. 1
 - b. 4
 - c. 6
 - d. 9

14. Which genetic defect does not have a commercial DNA marker test available?
 - a. Dwarfism
 - b. Neuropathic Hydrocephalus
 - c. Osteopetrosis
 - d. Tibial Hemimelia

15. Which method to produce replacement females would see the most rapid improvement in fertility?
- Straightbreeding
 - Crossbreeding
 - Outcrossing
 - Linebreeding
16. According to the USDA's Economic Research Services *Retail Trends*, consumer food-away-from-home spending has decreased since 1990.
- True
 - False
17. The U.S.'s cattle inventory has been decreasing the past several years.
- True
 - False
18. What is the new designation for SimAngus™ cattle with at least 1/8 Bos indicus?
- Simbrangus
 - SunCross™
 - Southern SimAngus™
 - SimAngus™ HT
19. This breed can be traced back to the first cattle brought to the Americas by the Spanish in 1493. They are noted for being especially hardy.
- Simmental
 - Corriente
 - Amerifax
 - Nelore
20. According to Cattle Fax, which country is the most efficient at modern beef production by producing the most pounds of beef with fewer head of cattle?
- Brazil
 - European Union
 - United States
 - Australia
21. Who is the Secretary of the United States Department of Agriculture?
- Mike Johanns
 - Todd Staples
 - Barack Obama
 - Tom Vilsack

For questions 22-26, match each tagline with its corresponding breed association.

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| 22. The Cowman's Choice | a. American Angus Association |
| 23. Profit Through Science | b. International Brangus Breeders Association |
| 24. The Business Breed | c. American Simmental Association |
| 25. Predictable, Adaptable, Profitable | d. Beefmaster Breeders United |
| 26. Rancher Tested. Rancher Trusted. | e. Red Angus Association of America |

27. Which beef organization's mission is "To develop cooperation among all segments of the beef industry in the compilation and utilization of performance records to improve efficiency, profitability and sustainability of beef production."?
- Beef Improvement Federation
 - National Cattleman's Beef Association
 - Meat Export Federation
 - Coalition of Beef Breeds
28. Which type of defect is present at birth, as a result of hereditary or environmental influences?
- Infectious
 - Contagious
 - Congenital
 - Pathogenic
29. An A maturity beef carcass with a marbling score of Modest 40 qualifies for which USDA Quality Grade?
- Select
 - Low Choice
 - Average Choice
 - Low Prime
30. Which forage would have the highest level of crude protein?
- Bermuda grass
 - Klein grass
 - Brome grass
 - Oats
31. Organically raised beef is safer and more nutritious than conventionally raised beef.
- True
 - False
32. Assuming cows are healthy and have adequate nutrition, timed artificial insemination using the 7 day Co-Synch + CIDR protocol can achieve pregnancy results of ___ on the first day of the breeding season.
- 15
 - 25
 - 40
 - 60
33. What is the average length of a cow's estrous cycle?
- 14 days
 - 21 days
 - 30 days
 - 283 days

34. According to a study in 2007 by Judith L. Capper, the beef industry has significantly reduced its carbon footprint over the past 30 years.
- True
 - False
35. Heterozygous polled is an example of a:
- Genotype
 - Phenotype
 - Selection Differential
 - Pedigree

For questions 36 – 43 refer to the following Hybrid Sires on the supplement sheet provided.

- A3R RED FORCE 14W
 - BAS HEAVY DUTY
 - BCLR SHAMWOW W611
 - CCR DIESEL 3060W
 - DHF DRAKKAR W242
36. Which bull does not have DNA on file with the American Simmental Association?
37. Which bull would be the safest choice to use on first calf heifers?
38. Which halfblood Simmental bull would sire offspring with the highest USDA Quality Grade carcasses?
39. Which bull would be best used as a terminal sire on mature cows because of his extreme growth EPDs?
40. Which bull has the same owner as BAS HEAVY DUTY?
41. Which bull's progeny would return the least amount of profit based on his Terminal Index?
42. Which bull is the youngest?
43. Which bull has Gelbvieh breeding listed?
44. Which condition is associated with a shift from a high forage diet to a high concentrate diet which results in a low rumen pH?
- Acidosis
 - Bloat
 - Endometriosis
 - Foot Rot

45. Which of the following is a primary sign of estrus?
- Clear discharge from the vulva
 - Restless behavior
 - Roughed up hair on tailhead
 - Standing to be mounted
46. How many tablespoons of peanut butter (680 calories) does it take to get the same amount of protein in one serving of lean beef (154 calories)?
- 3
 - 7
 - 13
 - 20
47. In regards to low stress handling, where is the point of balance on cattle?
- Poll
 - Hip
 - Shoulder
 - Underline
48. Which nutrient do cattle need in the largest amount every day?
- Roughages
 - Carbohydrates
 - Vitamins
 - Water
49. Which biological mechanism allows a cow's milk to pass to the calf's abomasum for the first two weeks of life?
- Parturition
 - Esophageal groove
 - Dystocia
 - Reticulum
50. A cow has which type of uterus?
- Bipartite
 - Bicornuate
 - Duplex
 - Simplex