

## 2006 AJSA Regional Classic Junior Cattlemen's Quiz A

Choose the best answer to the following questions.

1. Simmental is known by a variety of names. For example, in \_\_\_\_\_ they are known as "Pezzata Rosa."
  - a. Germany
  - b. Montana
  - c. Italy
  - d. France
  
2. True or False. An F2 is the result of mating a purebred bull of one breed to a purebred cow of another.
  - a. True
  - b. False
  
3. In what category do the following EPDs belong? Calving Ease, Birth Weight, Weaning Weight, and Yearling Weight
  - a. Maternal
  - b. Growth
  - c. Direct
  - d. None of the above
  
4. The lowest STAY EPD among Simmental sires evaluated in the 2006 spring sire summary is \_\_\_\_?
  - a. -15.0
  - b. 1.2
  - c. -8.7
  - d. None of the above
  
5. Warner-Bratzler Shear Force EPD is used to aid in the improvement of what trait?
  - a. Yield Grade
  - b. Marbling
  - c. Tenderness
  - d. Profit potential
  
6. SimAngus is to Simmental as Durham Red is to \_\_\_\_?
  - a. Beefmaster
  - b. Hereford
  - c. Shorthorn
  - d. None of the above

**For questions 7-12 use the sire represented on page 39**

- a. 3C PASQUE 8773**
- b. 3C PICASSO F955 BZ**
- c. 3C WALLY C240 BLK**
- d. AFTERSHOCK**

7. Which bull's daughters should wean the heaviest calves?
8. If an operation wanted to decrease yield grade without sacrificing marbling and still increase the average ribeye area within the herd, which bull would they choose?
9. Which sire is absolutely horned?
10. Of the bulls that are half-sibs, which one offers more growth?
11. Between the two most highly proven sires, which charts a higher API?
12. Why does AFTERSHOCK not have a CE and MCE EPD?
  - a. They are too high to record
  - b. Too young to know
  - c. He is registered as a composite
  - d. None of the above
13. Which of the following is the poorest source of energy?
  - a. Corn
  - b. Soybean meal
  - c. Milo (Grain Sorghum)
  - d. Barley
14. Bull A has a WW EPD of 28; bull B has a WW EPD of 18. How much lighter would we expect bull B's calves to weigh at weaning compared to bull A's calves?
  - a. 15 lbs
  - b. 20 lbs
  - c. 10 lbs
  - d. None of the above
15. What segment of the cattle business supplies genetics for the commercial cattle industry?
  - a. Commercial providers
  - b. Seedstock producers
  - c. Stocker operations
  - d. Packers

16. True or False. Calving ease EPD is positively correlated with actual Birth Weight EPD.

- a. True
- b. False

17. Where is the crest located on a beef animal?

- a. Rear leg
- b. Top of neck
- c. Under the loin
- d. Between the front legs

18. What commercial female is assumed when calculating the API and TI EPDs for Simmental sires?

- a. Longhorn
- b. Black Baldy
- c. Polled Hereford
- d. Angus

19. True or False. Hereford is considered to be a British breed.

- a. True
- b. False

20. Which of the following is not a primal cut?

- a. Round
- b. Chuck
- c. Short plate
- d. Top sirloin steak

21. How many upper teeth would you expect an eight-year-old cow to have?

- a. 6
- b. 7
- c. 8
- d. None

22. True or False. The “Y” chromosome can only be contributed by the dam.

- a. True
- b. False

23. Which of the following factors are used to calculate numerical yield grade?

- a. Backfat thickness
- b. Hot carcass weight
- c. Ribeye area
- d. All of the above

24. There are \_\_\_\_ possible body condition scores for a beef cow.
- 3
  - 6
  - 9
  - 11
25. What substance is present in plants that ruminants convert to vitamin A?
- Carotene
  - Phosphate
  - Thiamin
  - None of the above
26. A purebred Simmental cow is heterozygous polled; she is then bred to a proven homozygous polled bull. What possibility is there of getting a horned calf?
- 25% chance
  - 50% chance
  - 75% chance
  - No chance
27. The \_\_\_\_ performs the official grading of beef carcasses.
- FDA
  - USDA
  - NAFTA
  - None of the above
28. True or False. Chianina is considered to have the largest mature frame size of any breed of cattle in the world.
- True
  - False
29. Cattle can better digest cellulose compared to monogastric animals. What structure within their digestive system gives them the advantage?
- Rumen
  - Abomasum
  - Large intestine
  - All of the above
30. Which of the following is not part of the male reproductive tract?
- Cervix
  - Testicle
  - Epididymis
  - Scrotum

31. When would a producer best benefit from using a bull with a high Terminal Index?
- Female progeny are used as replacements
  - Bull progeny are marketed as maternal driven sires
  - All progeny marketed through a feed yard on a retained ownership scenario
  - None of the above
32. What is the average MRB EPD charted in the 2006 spring sire summary for active Simbrah sires?
- 0.0
  - 2.4
  - .03
  - .02

**Use the following bulls found on page 80 to answer questions 31-36**

- RX TEXAS RED H862**
- SMITH SPITFIRE**
- SNF BIG RED N-01**
- ZZ RED MOJO N465**

33. Which sire should we expect to sire the heaviest milking daughters?
34. Of the bulls that have carcass EPDs, which sire's progeny should enter the feedlot at the heaviest weights and produce the largest ribeyes?
35. Which bull charts a BW EPD above the average for active sires evaluated in the spring of 2006?
36. Of the two bulls that have a purebred Simmental maternal grandsire, which one does not have a WBSF EPD?
37. Which bull is a multiple trait leader?
38. How many USDA quality grades are possible?
- 4
  - 6
  - 8
  - 10
39. True or False. Puberty is the age at which the reproductive organs become functionally operative and secondary sex characteristics begin to develop.
- True
  - False
40. For a sire to qualify as a trait leader, they must rank among the top \_\_\_ percent of active sires and have accuracy higher than .60.
- 10
  - 30
  - 60
  - 90

**Use the following breeds to answer questions 40-44**

- a. Simmental**
- b. Angus**
- c. Shorthorn**
- d. Brahm**

41. Which breed is known for their heat tolerance?
42. Which breed would you expect to have the highest frequency of the genetic defect Tibial Hemimilia?
43. The fastest growing segment of the American Simmental Association registry is currently a composite of Simmental combined with this breed?
44. Which breed is known for their ability to produce a recognizable roan color?
45. Which breed is makes up the base of all American breeds?
46. True or False. The facility in which cattle are harvested and processes is called a packing plant.
- a. True
  - b. False
47. What technique could a purebred producer use to mass-produce superior genetics.
- a. Artificial Insemination
  - b. Embryo Transfer
  - c. Cloning
  - d. All of the above
48. What is used to determine the frame score of an animal?
- a. Hip height
  - b. Age
  - c. All of the above
  - d. None of the above
49. What age is the new STAY EPD expressed at?
- a. 4 years of age
  - b. 6 years of age
  - c. 8 years of age
  - d. 10 years of age
50. True or False. BF EPD is expressed in centimeters of backfat.
- a. True
  - b. False