

2006 AJSA Classic Senior Cattlemen's Quiz

Choose the best answer to each of the following questions.

1. Which of these Simmental strains originated in France?
 - a. Pezzatta Rosa
 - b. Abondance
 - c. Felckvieh
 - d. None of the above

Use the following breeds to answer questions 2-10.

- a. Simmental**
- b. Angus**
- c. Hereford**
- d. Brahman**

2. Which is considered a Bos Indicus breed?
3. Which breed offers the highest marbling genetics?
4. Which breed on average is the lowest for milk production?
5. Which breed is a part of the breed makeup of Santa Gertrudis?
6. Which breed association has long been headquartered in Kansas City Missouri?
7. According to the latest USDA Meat Animal Evaluation Center report, which breed has the highest level of maternal calving ease among all breeds tested.
8. Which breed requires all animals to be homozygous polled?
9. Which is considered a Continental breed?
10. Which breed on average would have the greatest Rib Eye Area at any given carcass weight?
11. True or False. The new TI EPD is expressed in dollars. For example +69 means + \$69.00.
 - a. True
 - b. False
12. In beef cattle nutrition, availability of DGS is related to what?
 - a. Hay quality
 - b. Ethanol Production
 - c. Climate
 - d. Particle size

13. Molasses is usually incorporated into a beef ration to _____.

- a. Increase palatability
- b. Increase digestibility
- c. Add protein
- d. None of the above

14. Sorghum Sudan Grass and its relatives are considered _____ grasses.

- a. Cool season
- b. Legume
- c. Warm season
- d. Sedge

15. DNA parental validation for the American Simmental Association is currently done by whom?

- a. Bovigen
- b. MetaMorphix Inc.
- c. Cornell University
- d. Igenity

16. Who is the current chairman of the ASA Board of Trustees.

- a. Aaron Owen
- b. Chase Groves
- c. Peter Courtney
- d. None of the above

17. The most recent reported case of BSE in the United States originated from what state?

- a. Washington
- b. Alabama
- c. Texas
- d. None of the above

18. True or False. A bull that ranks at the 80th percentile for Weaning Weight EPD should sire calves that are heavier at weaning than a sire that ranks at the 30th percentile.

- a. True
- b. False

19. Which level of fat thickness is closest to industry ideal for harvest steers?

- a. .20 inches
- b. .40 inches
- c. .75 inches
- d. 1.0 inches

20. The quarter of a live steer is called the _____ on a steer carcass.
- a. Loin
 - b. Plate
 - c. Chuck
 - d. Round

Use the following Simmental bulls found on page 43 to answer questions 21-28.

- a. Black Irish Kansas**
- b. Black Mick**
- c. Black Shamrock E157**
- d. Bold Leader**

21. Which bull's daughters should have the greatest longevity of production?
22. Which is not a trait leader for Maternal Calving Ease EPD?
23. Which bull offers the most long term dollar value and profit to a commercial herd of Angus based cows that retains replacement females and also retains feedlot progeny until they are finished and sold on a carcass value based grid?
24. Which bull is the grandsire of SRS Land Rover L1007?
25. Which bull had been tested for chromosomal translocations?
26. Which bull absolutely should not be bred to virgin heifers?
27. Which bull's harvested progeny should rank highest for USDA Quality Grade?
28. True or False. Black Irish Kansas, Black Mick and Black Shamrock E157 should all sire beef that is more tender than breed average when bred to average Simmental females.
- a. True
 - b. False
29. If Bold Leader is bred to a female with a Birth Weight EPD of +.1, what would be the pedigree estimate for Birth Weight EPD of the resulting progeny?
- a. +5.4
 - b. +2.5
 - c. None of the above is correct
 - d. It is impossible to predict with the information given
30. The juncture at which the uterine body divides into two separate horns is called the ____.
- a. Uterine intersection
 - b. Uterine deviation
 - c. Uterine bifurcation
 - d. None of the above

31. The heart is made up primarily of _____ muscle fibers.
- Smooth
 - Striated
 - Skeletal
 - None of the above
32. True or False. The Secretary of Agriculture and USDA are currently developing a plan to require mandatory animal identification and traceability for all beef cattle and for other livestock species.
- True
 - False
33. According to BQA recommendations, an injection that is to be administered IM might correctly be correctly given where?
- Under the skin of the neck
 - In the fleshy part of the hip
 - In the rear of the thigh
 - None of the above
34. What are the two primary factors in the USDA system of grading feeder calves?
- Age and weight
 - Frame and muscle score
 - Size and color
 - None of the above
35. If beef carcasses are worth \$1.20 per pound, which is closest to the corresponding live value of cattle per pound?
- \$.64
 - \$.76
 - \$.88
 - \$.99
36. How long after an injection of prostaglandin in a standard estrous synchronization program might you expect to see the first significant number of females in heat?
- 48 hours
 - 60 hours
 - 72 hours
 - 1 week
37. Which of the following Yield Grade EPDs corresponds to the leaner and more muscular genetics?
- .15
 - 0
 - +.15
 - We do not have an EPD for Yield Grade

38. A hypothetical breeder bred Rains Limit Up randomly to ½ of his 100 Simmental virgin heifers and PVF-BF Black Joker on the other ½ of his heifers. If those bred to Limit Up had 3 calving assists, approximately how many assists would you expect out of those bred to Black Joker?
- a. 3
 - b. 7
 - c. 11
 - d. 22

For Questions 39-44 use the following Simmental bulls found on page 54.

- a. Holb**
- b. Hook's Shear Force**
- c. Hot Spot**
- d. HS Nuf Said N005J**

39. Which bull has been confirmed to his sire and dam using DNA technology?
40. Which bull is most likely a Fleckvieh?
41. Which bull has the highest probability of being a carrier of the genetic abnormality Tibial Hemimilia?
42. Which bull would be an extremely poor choice to use as a terminal sire?
43. Which bull is superior to 70% of the breed for Rib Eye Area EPD?
44. True or False. If HS Nuf Said N005J was bred to a purebred Simmental female and the resulting heifer calf is entered in the 2007 AJSA National Classic in Louisville Kentucky, she will be shown in the low percentage female division.
- a. True
 - b. False
45. True or False. For the trait used to improve tenderness, the EPD range from highest to lowest is greater in Simbrah than in Simmental.
- a. True
 - b. False
46. How is a Syndactyly carrier identified in the sire summary?
- a. A double astererix
 - b. SY
 - c. S
 - d. None of the above

47. True or False. Intermuscular fat is used to determine marbling score.
- True
 - False
48. Which of the following is not one of the largest cattle auction marketers in the US?
- Superior Livestock Auctions
 - Oklahoma City livestock market
 - Joplin Regional Stockyards
 - Kansas City Union Stockyards
49. True or False. In general, Simbrah heifers reach puberty at a younger age than Simmental Heifers.
- True
 - False
50. Which of the following USDA Quality Grades is used primarily for cow carcasses?
- Standard
 - Commercial
 - Select
 - Hard Boned
51. Which of the following is the best selection tool to use to improve the growth genetics of a herd?
- Use growth EPDs (Weaning Weight EPD, Yearling Weight EPD)
 - Select for increased frame score
 - Select for the highest actual 205 day weights
 - Select for maximum maternal milk production
52. If you mate a heterozygous polled bull to a heterozygous polled cow, what is the probability that you will have a homozygous polled offspring?
- .25
 - .50
 - 1.0
 - None of the above
53. When you mate a $\frac{3}{4}$ Simmental, $\frac{1}{4}$ Brahman to a Purebred Simbrah what are the resulting offspring?
- Purebred Simbrah
 - $\frac{11}{16}$ Simmental x $\frac{5}{16}$ Brahman
 - American Breed Composites
 - All of the above
54. What is the #1 sire in terms of number of registrations for the past year as published in the May 2006 *Register*?
- SS Goldmine L42
 - GW Lucky Dice 187H
 - Meyer 734
 - SRS J914 Preferred Beef

55. The Grand Champion Bull at the first National Simmental Show in Kansas City this past October was _____.
- GWS Ebonys Trademark
 - SVF/NJC Built Right N48
 - STF Dominique R170
 - JDJ Charisma 20P
56. For which region is Kelly Schmidt the ASA field representative?
- North Central US
 - South Central US
 - Eastern US
 - Western US
57. Which of the following feedstuffs is an excellent protein supplement?
- Corn Silage
 - Molasses
 - Ground Wheat Straw
 - Soybean Meal
58. 90 SM 1056 is most likely an example of a _____.
- An ASA registration number
 - A cane code on a straw of Simmental Semen
 - A USDA approved premise code
 - None of the above
59. Who is the Media Specialist at the American Simmental Association?
- Dan Rieder
 - Linda Kesler
 - Annie Allen
 - Jeremie Ruble
60. This serious viral cattle disease is usually classified as either Type I or Type II and can cause everything from diarrhea and death to reduced fertility and chronic weight loss.
- Bovine Parainfluenza
 - BVD
 - Parakeratosis
 - Shafer's Syndrome