

2006 AJSA Classic Intermediate Cattlemen's Quiz

Choose the best answer to each of the following questions.

1. Which of these Simmental strains originated in France?
 - a. Pie Rouge
 - b. Normande
 - c. Fleckvieh
 - d. None of the above

2. True or False. Veal is harvested from animals 6 to 24 months of age?
 - a. True
 - b. False

Use the following breeds to answer questions 3-11.

- a. Senepol**
- b. Polled Hereford**
- c. Angus**
- d. Simmental**

3. Which is considered to be best adapted to extremely hot environments?
4. Which breed offers the highest marbling genetics?
5. Which breed on average is the lowest for milk production?
6. Which breed is a part of the breed makeup of Braford?
7. Which breed association has long been headquartered in St. Joseph Missouri?
8. According to the latest USDA Meat Animal Evaluation Center report, which breed has the highest level of maternal calving ease among all breeds tested.
9. Which breed requires all animals to be homozygous polled?
10. Which is considered a Continental breed?
11. Which breed on average would have the greatest Rib Eye Area at any given carcass weight?
12. True or False. The new API EPD is expressed in pounds of calf produced per cow per year.
 - a. True
 - b. False

13. Which of the following is a method of categorizing breeding animals by their degree of body reserves?
- Yield grade
 - Body condition scoring
 - Backfat measurement
 - Cow performance
14. Rank the following traits from most heritable to least heritable.
- Reproduction; growth; carcass
 - Carcass; reproduction; growth
 - Carcass; growth; reproduction
 - Reproduction; carcass; growth
15. Molasses is usually incorporated into a beef ration to _____.
- Increase palatability
 - Increase digestibility
 - Add protein
 - None of the above
16. Rye Grasses, Fescues and their relatives are considered _____ grasses.
- Cool season
 - Legume
 - Warm season
 - Sedge
17. Which of the following is not true about the rumen?
- Storage for large quantities of feed
 - Keeps the contents mixing with strong contractions
 - Breaks down proteins into amino acids
 - Provides a suitable environment for the bacteria and protozoa to live
18. Which of the following USDA quality grades is indicates the greatest palatability?
- Utility
 - Cutter
 - Standard
 - Prime
19. DNA parental validation for the American Simmental Association is currently done by whom?
- Bovigen
 - MetaMorphix Inc.
 - Cornell University
 - None of the above

20. Who is the current chairman of the AJSA Board of Trustees.
- Aaron Owen
 - Chase Groves
 - Peter Courtney
 - None of the above
21. A heterozygous black bull is mated to 25 red, non-diluter cows. What percentage of the calves should be black?
- 100 %
 - 75%
 - 50%
 - None
22. How is a “Mule Foot” carrier identified in the sire summary?
- A double astererix
 - M
 - SD
 - None of the above
23. The first reported case of BSE in the US was from a cow that originated in _____?
- Washington
 - Alabama
 - Canada
 - None of the above
24. Coleman and Meyer are branded beef companies that specialize in which kind of beef products?
- Organic
 - Natural
 - Vegetarian
 - Low fat
25. Which level of fat thickness is closest to industry ideal for harvest steers?
- .20 inches
 - .40 inches
 - .75 inches
 - 1.0 inches
26. The shoulder of a live steer is called the _____ on a steer carcass.
- Loin
 - Plate
 - Chuck
 - Round

27. True or False. Black Irish Kansas, Black Mick and Black Shamrock E157 should all sire beef that is less tender than breed average when bred to average Simmental females.
- True
 - False
28. 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?
- +5.4
 - +2.5
 - +2.7
 - It is impossible to predict with the information given
29. The juncture at which the uterine body divides into two separate horns is called the ____.
- Uterine intersection
 - Uterine deviation
 - Uterine bifurcation
 - None of the above
30. The heart is made up primarily of _____ muscle fibers.
- Smooth
 - Striated
 - Skeletal
 - None of the above
31. True or False. The Secretary of Agriculture and USDA have put a plan in place to require mandatory vaccination of cattle for Johnes Disease.
- True
 - False
32. According to BQA recommendations, an injection that is to be administered IM might 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
33. 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

34. True or False. In general, Simbrah heifers reach puberty at an older age than Simmental Heifers.
- True
 - False
35. For a sire to qualify as a trait leader, he must rank among the top 10 percent of active sires for that EPD and have accuracy higher than ___.
- .40
 - .50
 - .60
 - None of the above
36. What beef breed was developed at the King ranch in Texas?
- Angus
 - Santa Barbara
 - Simbrah
 - None of the above

For questions 37-41 use the following bulls found on page 79.

- MR STRACK L252**
- MR STRACK M340**
- PRR ACCOLADE 119K**
- PSR GOTTI-JOE MIGHTY**

37. Which sire is absolutely not polled?
38. Which bull's maternal grandsire is MR. STACK F524?
39. Which sire's daughters would we expect to milk the least?
40. Which bull would we consider to be the best all-purpose sire when evaluating his genetic predictors?
41. Between the bulls that are karyotype normal, which bull is older?
42. What EPD is used to evaluate sires for use on mature Angus cows with all offspring put on feed and sold on grade and yield?
- Weaning and yearling weights
 - All-Purpose Index
 - Marbling
 - Terminal Index

43. If beef carcasses are worth \$1.40 per pound, which is closest to the corresponding live value of cattle per pound?

- a. \$.64
- b. \$.76
- c. \$.88
- d. \$.99

44. 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 45-51 use the following Simmental bulls found on page 54.

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

45. Which bull has been confirmed to his sire and dam using DNA technology?

46. Which bull is most likely a Fleckvieh?

47. Which bull has the highest probability of being a carrier of the genetic abnormality Tibial Hemimilia?

48. Which bull would be an extremely poor choice to use as a terminal sire?

49. Which bull is superior to 70% of the breed for Rib Eye Area EPD?

50. 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

51. Which of the following is the best selection tool to use to improve the growth genetics of a herd?

- a. Use growth EPDs (Weaning Weight EPD, Yearling Weight EPD)
- b. Select for increased frame score
- c. Select for the highest actual 205 day weights
- d. Select for maximum maternal milk production

52. When a $\frac{3}{4}$ Simmental, $\frac{1}{4}$ Brahman is mated to a Purebred Simbrah what are the resulting offspring?

- a. Purebred Simbrah
- b. $\frac{11}{16}$ Simmental x $\frac{5}{16}$ Brahman
- c. American Breed Composites
- d. All of the above

53. What is the duodenum?

- a. Part of the small intestine
- b. The connection between the rumen and reticulum
- c. An important part of the female reproductive tract
- d. None 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*?

- a. SS Goldmine L42
- b. GW Lucky Dice 187H
- c. Meyer 734
- d. SRS J914 Preferred Beef

55. The Reserve Grand Champion Bull at the first National Simmental Show in Kansas City this past October was _____.

- a. GWS Ebonys Trademark
- b. SVF/NJC Built Right N48
- c. STF Dominique R170
- d. JDJ Charisma 20P

56. Which of the following feedstuffs is an excellent protein supplement?

- a. Pelleted Alfalfa Meal
- b. Molasses
- c. Ground Wheat Straw
- d. Ground Corn

57. 90 SM 1056 is most likely an example of a _____.

- a. An ASA registration number
- b. A cane code on a straw of Simmental Semen
- c. A USDA approved premise code
- d. None of the above

58. Who is the Media Specialist at the American Simmental Association?

- a. Dan Rieder
- b. Linda Kesler
- c. Annie Allen
- d. Jeremie Ruble

59. 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.

- a. Bovine Parainfluenza
- b. Parakeratosis
- c. Shafer's Syndrome
- d. None of the above

60. What is the purpose for the publication of *SimTalk*?

- a. Membership directory
- b. Official publication of the ASA
- c. Calendar of events for the junior program
- d. Links simgenetics to commercial cattle