

2009 AJSR Intermediate Cattleman's Quiz

1. In order to be 10% better than average for Yield Grade EPD what value must an active Simbrah sire have?
 - a. .11
 - b. -.02
 - c. .05
 - d. None of the above
2. What is the scientific class name for cattle?
 - a. Ovine
 - b. Procine
 - d. Bovine
 - c. Equine
3. Which of the following factors can affect dystocia?
 - a. Age of dam
 - b. Calf birth weight
 - c. Sex of calf
 - d. All of the above
4. What is the process of eliminating non-productive/undesirable animals?
 - a. Culling
 - b. Sorting
 - c. Reducing
 - d. Shipping
5. Which of the following can be used as a non-protein nitrogen source for beef rations?
 - a. Soybean meal
 - b. Wheat midds
 - d. Urea
 - d. Flax seed
6. The first reported case of BSE in the US was from a cow that originated in _____?
 - a. Washington
 - b. Alabama
 - c. Canada
 - d. None of the above

7. What is the first cross of two unrelated purebreds called?

- a. F1 Cross
- b. Crossbred
- c. Hybrid Vigor
- d. F2 Cross

Use the following breeds to answer question 8-15.

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

8. Which is considered to be best adapted to extremely hot environments?

9. Which breed offers the highest marbling genetics?

10. Which breed is a part of the breed makeup of Braford?

11. According to the latest USDA Meat Animal Evaluation Center report, which breed has the highest level of maternal calving ease among all breeds tested.

12. Which breed is from the Simme Valley in Switzerland?

13. Which breed requires all animals to be homozygous polled?

14. Which is considered a Continental breed?

15. Which breed on average would have the greatest Rib Eye Area at any given carcass weight?

16. Which of the following is a method of categorizing breeding animals by their degree of body reserves?

- a. Yield grade
- b. Body condition scoring
- c. Backfat measurement
- d. Cow performance

17. Birth Weight EPDs and Yearling Weight EPDs are positively correlated.

- a. True
- b. False

18. The shoulder of a live steer is called the _____ on a steer carcass.
- Loin
 - Plate
 - Chuck
 - Round
19. 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
20. In general, Simbrah heifers reach puberty at an older age than Simmental Heifers.
- True
 - False
21. On average, daughters sired by a two-year old bull with a scrotal circumference of 39 cm will reach maturity _____ daughters sired by a two-year old bull with a scrotal circumference of 44 cm.
- Earlier than
 - Later than
 - Around the same time as
 - None of the above
22. When a $\frac{3}{4}$ Simmental, $\frac{1}{4}$ Brahman is mated to a Purebred Simbrah what is the resulting offspring?
- Purebred Simbrah
 - $\frac{11}{16}$ Simmental x $\frac{5}{16}$ Brahman
 - American Breed Composites
 - All of the above
23. 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
 - Parakeratosis
 - Shafer's Syndrome
 - None of the above

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

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

For the following questions 25-30 use the following Simbrah bulls found in the 2009 Sire Summary.

- a. JHC Cattle King**
- b. LMC Authority 5L-100**
- c. 314M**
- d. LMC Johnnie Walker 5R179**

25. Which bull should add the most ribeye area to a group of light muscled cows?

26. Which bull is in the 25% percentile of Simbrahs for Milk EPD?

27. Which bull appears to have tremendous terminal value?

28. Which bull is a percentage Simbrah?

29. Which is the scurred bull?

30. Which bull has been DNA parentally confirmed to both parents?

31. To prevent infections, a newborn calf should have its navel dipped in what solution?

- a. Sucrose
- b. Saline
- c. Iodine
- d. Copper

32. When a judge uses the phrase “hooks to pins”, he or she is referring to which area on a calf?

- a. The shoulder
- b. The rump
- c. The neck
- d. The head

33. Which of the condition scores would be given to the fleshier cow?

- a. 3
- b. 8

34. What would you expect of the future milk production potential of an excessively fat heifer?

- a. Decrease
- b. Increase
- c. Stay the same

35. What beef breed was developed at the King ranch in Texas?

- a. Angus
- b. Santa Gertrudis
- c. Simbrah
- d. None of the above

For questions 36-42 use the following bulls from the 2009 Sire Summary

- a. Zeis GCF Contender**
- b. Anchor T Metro**
- c. TJ Top Grid 110N**
- d. WW Representative 58R**

36. Among the purebred bulls listed, which bull should generate the most profit for a commercial Angus based herd that keeps replacement females and retains ownership on all other progeny, selling these offspring on a value based carcass grid.

37. Which bull certainly is the best choice for a group of virgin heifers to minimize dystocia?

38. Which bull's pedigree is 100% of foreign Simmental origin?

39. Which bull would have a higher percentage of daughters remain in the cow herd?

40. Between the two oldest bulls, which bull offers the most value as terminal sire?

41. Which bull's daughters should wean the heaviest calves?

42. Which bull should sire the highest USDA quality grading steers?

43. If a Simbrah bull with a +.5 Birth Weight EPD was bred to a registered Simmental heifer with an ASA Birth Weight EPD of -3.5 lbs., what would the BW EPD of the resulting offspring be?

- a. -3
- b. -1.5
- c. -.5
- d. The EPD cannot be determined on percentage cattle with only this data

44. Which of the following is not a breed of *Bos Indicus* cattle?
- a. Nelore
 - b. Gyr
 - c. Brahman
 - d. Tigris
45. Which of the following is not a factor used to calculate the frame score of an animal?
- a. Hip height
 - b. Weight
 - c. Age
 - d. Sex of the animal
46. A heifer is sterial and was born as the twin of a bull is known by what term?
- a. Freemartin
 - b. Recip
 - c. Gomer
 - d. Steer
47. What is the year-letter designation for 2009?
- a. T
 - b. U
 - c. V
 - d. W
48. Which two minerals are most critical for proper bone and tooth formation?
- a. Phosphorus and Iron
 - b. Calcium and Iron
 - c. Calcium and Phosphorus
 - d. None of the above
49. Which brand location is most detrimental to the value of a beef hide for leather production?
- a. Hip brand
 - b. Shoulder brand
 - c. Jaw brand
 - d. Rib brand

50. A purebred Simbrah is _____.
- a. $\frac{1}{2}$ Simmental and $\frac{1}{2}$ Brahman
 - b. $\frac{5}{8}$ Simmental and $\frac{3}{8}$ Brahman
 - c. $\frac{3}{4}$ Simmental and $\frac{1}{4}$ Brahman
 - d. None of the above
51. The first milk given by a female after her calf is born is called _____.
- a. Transitional milk
 - b. Colostrum
 - c. Cud
 - d. None of the above
52. Which of the following traits is not included in the All Purpose Index EPD?
- a. Calving Ease ED
 - b. Mature Weight EPD
 - d. Marbling EPD
 - d. Tenderness EPD
53. In which scenario would a producer benefit the most from using a bull with a high All-Purpose Index?
- a. Male progeny are advertised as carcass driven sires
 - b. Female progeny are used as replacement animals
 - c. All progeny are marketed through a feed yard
 - d. None of the above
54. If you mate a heterozygous polled bull to a heterozygous polled cow, what is the probability that you will have a homozygous polled offspring?
- a. .25
 - b. .50
 - c. 1.0
 - d. None of the above

61. Which of the following feedstuffs is an excellent protein supplement?
- Pelleted Alfalfa Meal
 - Molasses
 - Ground Wheat Straw
 - Ground Corn
62. Which of the following USDA quality grades is indicates the greatest palatability?
- Utility
 - Cutter
 - Standard
 - Prime
63. 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
64. 90 SI 1056 is most likely an example of a _____.
- An ASA registration number
 - A cane code on a straw of Simbrah Semen
 - A USDA approved premise code
 - None of the above
65. Which of the following is the best selection tool use to improve the growth genetics of a herd?
- Use growth EPDs (Weaning EPD, Yearling Weight EPD)
 - Select for increased frame score
 - Select for the highest actual 205 day weights
 - Select for maximum maternal milk production

66. A shot of Prostaglandi (such as Lutalyse) should bring all of the females in the herd into heat within 48 hours.

- a. True**
- b. False**

67. What is the estimated percent of her mature weight a virgin heifer should attain before she is bred?

- a. 65 to 70 percent**
- b. 45 to 50 percent**
- c. 35 to 40 percent**
- d. 85 to 90 percent**

68. What is the recommended age for calving first-calf heifers to increase total lifetime productivity?

- a. 20 months**
- b. 30 months**
- c. 24 months**
- d. 36 months**

69. Animals that can digest large amounts of high-fiber roughage-type feeds are identified by what common term?

- a. Monogastric**
- b. Ruminants**
- c. Omnivore**
- d. Vertebrae**

70. What does the American Simmental Association acronym “THE” represent?

- a. Top Head Evaluation**
- b. Total Herd Evaluation**
- c. Total Herd Enrollment**
- d. Top Herd Evaluation**