

2006 AJSA National Classic Junior Cattlemen's Quiz

Choose the best answer for the following questions.

1. What condition usually results from the puncturing of the reticulum by a sharp object?
 - a. Bloat
 - b. Bleeding problems
 - c. BVD
 - d. Hardware

2. Which is not a common source of supplemental protein?
 - a. Alfalfa
 - b. Soybean meal
 - c. Corn
 - d. Cottonseed meal

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

Use the following bulls found on page 41 for questions 4-8

- a. **BVD EXCLUSIVE 77G**
- b. **BVD TRUE CHOICE 21L**
- c. **BF L113 HERO**
- d. **BF L119 9-11**

4. Which bull is the oldest?
5. What sire would best fit the scenario that would breed him to first calf heifers?
6. Which bull would you expect to create the highest levels of dystocia?
7. Which sire's offspring should gain the most from weaning to yearling?
8. Which bull is considered to be a multiple trait leader?
9. What indicates a sire's ranking for a particular trait in relation to all other sires represented?
 - a. Percentile rank
 - b. Accuracy
 - c. Trait leader
 - d. Sire group rank

10. What EPD is used to predict genetics for tenderness?
 - a. Yearling weight
 - b. Marbling
 - c. Warner-Bratzler Shear Force
 - d. Yield grade

11. Rank the following traits from least heritable to most heritable.
- Reproduction; growth; carcass
 - Carcass; reproduction; growth
 - Carcass; growth; reproduction
 - Reproduction; carcass; growth
12. What is the primary reproductive organ of the cow?
- Cervix
 - Testicle
 - Ovaries
 - Udder
13. What segment of the beef industry uses forages to background weaning animals before they enter the feedlot stage?
- Seedstock producers
 - Commercial producers
 - Stocker operation
 - Hobby ranchers
14. Which of the following is not a strain of Simmental cattle?
- “Fleckvieh”
 - “Pie Rough”
 - “Spotted Swiss”
 - “Pezzata Rosa”
15. True or False. CE EPD and BW EPD are inversely related?
- True
 - False
16. True or False. Simmental is considered to be an English breed?
- True
 - False
17. How often does a cow enter estrous?
- Every 18 to 21 days
 - Every 10 to 12 days
 - Every 30 to 32 days
 - None of the above
18. Which of the following USDA quality grades is the highest of quality?
- Utility
 - Cutter
 - Standard
 - Prime

19. 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 an accuracy higher than ____.
- a. .40
 - b. .50
 - c. .60
 - d. .70
20. True or False. Don Smith imported the first Simmental to North America?
- a. True
 - b. False
21. What beef breed was developed at the King ranch in Texas?
- a. Angus
 - b. Santa Gertrudis
 - c. Simbrah
 - d. Both B and C
22. True or False. During normal birth, a calf is presented head first with front legs forward.
- a. True
 - b. False
23. Which of the following is not a beef breed:
- a. Angus
 - b. Salers
 - c. Brown Swiss
 - c. Limousin
24. What name is given to intermuscular fat?
- a. Seam fat
 - b. Marbling
 - c. Insulation
 - d. KPH
25. What is the most important nutrient?
- a. Feed
 - b. Water
 - c. Vitamins
 - d. Minerals
26. Animals produced using two or more breeds are called _____?
- a. Linebred
 - b. Inbred
 - c. Crossbred
 - d. Planned mating

27. True or False. Cattle are ruminants, and contain a three-compartment stomach.
- True
 - False
28. True or False. Macrominerals are needed in larger amounts than microminerals.
- True
 - False
29. What is the female called that receives the egg in the process of embryo transfer?
- Open cow
 - Donor cow
 - Recipient cow
 - Bred cow
30. What is the purpose for the publication of *SimTalk*?
- Membership directory
 - Official publication of the ASA
 - Calendar of events for the junior program
 - Links simgenetics to commercial cattle
31. 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
32. Who is the current chairman of the ASA Board of Trustees?
- Dr. Jerry Lipsey
 - Aaron Owen
 - Fred Schuetze
 - Tavers Smith
33. Of the following, which is an example of a forage that is preserved through the process of fermentation?
- Hay
 - Silage
 - Green chop
 - Concentrates
34. True or False. An F1 is a result from mating a purebred bull of one breed to a purebred cow of another.
- True
 - False

35. When a female calf is born twin to a bull, approximately 9 out of 10 heifers will be ____.
- Full-sibs
 - Half-sibs
 - A freemartin
 - Polled
36. True or False. Mastication is the first step of digestion.
- True
 - False
37. What is the primary purpose of the large intestines?
- Break down amino acids
 - Absorption of proteins
 - Digestion of forage
 - Absorption of water
38. 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
39. In what location is backfat thickness and ribeye area measured?
- Between 10th and 11th rib
 - Between 12th and 13th rib
 - Shoulder
 - Hook bones

For questions 40-44 use the following bulls found on page 79.

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

40. Which sire is absolutely not polled?
41. Which bull's maternal grandsire is MR. STACK F524?
42. Which sire's daughters would we expect to milk the least?
43. Which bull would we consider to be the best all-purpose sire when evaluating his genetic predictors?
44. Between the bulls that are kryotype normal, which bull is older?

45. Which of the following is not true about the rumen?
- Storage for large quantities of feed
 - Keeps the feed mixing by strong contractions
 - Breaks down proteins into amino acids
 - Provides a suitable environment for the bacteria and protozoa to live
46. True or False. Cattle are monoestrous.
- True
 - False
47. How often is the sire summary evaluated?
- Once a year
 - Twice a year
 - Once every two years
 - Once every five years
48. Where did the Simmental breed originate?
- Switzerland
 - USA
 - Canada
 - England
49. True or False. Simmental cattle were selected initially for meat, milk, and draft.
- True
 - False
50. The _____ is the difference between an individual record and the average for that trait in the individual's contemporary group?
- Contemporary difference
 - Direct effect
 - Correlation
 - Deviation
51. Bull A has an YW EPD of 82; bull B has an YW EPD of 42. If the yearling steers sired by these two bulls were sent to the feedlot, what would you expect the difference in the average yearling weight to be between the sire's calves?
- 4 lbs
 - 40 lbs
 - 400 lbs
 - None of the above
52. For what reason might you feed a group of heifers MGA?
- Heat synchronization
 - Suppress heat to increase gain
 - Both A and B
 - None of the above

53. True or False. The USDA numerical Yield Grading system uses number ranging from 1 to 10.
- True
 - False
54. The Polled gene is ____ to the horned gene.
- Dominant
 - Recessive
 - Resistance
 - Reactive
55. True or False. The British breeds are known for their weight-gaining ability and cutability, most effective as terminal sires.
- True
 - False
56. What category would WW and YW EPDs fall under?
- Growth
 - Maternal
 - Direct
 - Both A and C
57. What important vitamin would you relate to carotene?
- A
 - C
 - D
 - E
58. Birth Weight _____ correlated with Yearling Weight.
- Is positively
 - Is negatively
 - Maybe
 - Is not proven to be
59. True or False. The AJSA membership is broken into five regions.
- True
 - False
60. A homozygous black bull is mated to 25 red cows. What percentage of the calves should be black?
- 100 %
 - 75%
 - 25%
 - None