

2011 TJSSA State Futurity

Junior Cattleman's Quiz

1. What is the scientific name for cattle?
 - a. Porcine
 - b. Aves
 - c. Ovine
 - d. Bovine
2. What word is used for the female parent in an animal's pedigree?
 - a. Dam
 - b. Sire
 - c. Mother
 - d. Cow
3. What is the hormone of pregnancy?
 - a. Estrogen
 - b. Progesterone
 - c. Testosterone
 - d. Prostaglandin
4. Which of the following is NOT an advantage of A. I. and estrous synchronization?
 - a. Heavier calves
 - b. Increased uniformity
 - c. Lower breed back rates
 - d. Proven genetics
5. What is the name of the first Simmental registered with the American Simmental Association?
 - a. Abricot
 - b. CNS Dream On L186
 - c. Bold Leader
 - d. Parisien
6. An intact male beef animal is known as a:
 - a. Cow
 - b. Bull
 - c. Heifer
 - d. Steer
7. What is the official publication of the American Simmental Association called?
 - a. The SimGenetics Journal
 - b. The Simmental Shield
 - c. The Register
 - d. Breeders Guide
8. A serving of lean beef is the number one source of protein, zinc, and vitamin B₁₂.
 - a. True
 - b. False

9. Which of the following is a British breed of cattle?
- Charolais
 - Hereford
 - Simmental
 - Brahman
10. Cottonseed meal is used as a source of _____ in a feed ration.
- Energy
 - Mineral
 - Protein
 - Vitamin
11. What is the highest USDA Quality Grade?
- Prime
 - Choice
 - Select
 - Standard
12. If a homozygous black bull is mated to a red cow, what color will the offspring be?
- Black
 - Red
 - Black & Red
13. All external (nongenetic) conditions that influence the reproduction, production, and carcass merit of cattle is:
- Genotype
 - Generation Interval
 - Correlation
 - Environment
14. SimAngus cattle are an example of which type of breeding:
- Outcrossing
 - Crossbreeding
 - Linebreeding
 - Linecrossing
15. The fertilization of the egg and the act of becoming pregnant is called:
- Conception
 - Estrus
 - Heritability
 - Dystocia
16. Which forage is a legume?
- Bermudagrass
 - Johnsongrass
 - Alfalfa
 - Bluestem

17. Blackleg is a _____ disease.
- Respiratory
 - Clostridial
 - Venereal
 - Congenital
18. Which disease can NOT be prevented with a vaccine?
- Leptospirosis
 - Blackleg
 - Bovine Virus Diarrhea
 - Johne's disease
19. A cow with a body condition score of 1 is:
- Extremely thin
 - Thin
 - Fleshy
 - Extremely fat
20. Semen quality in bulls begins to decline after age ____.
- 2
 - 4
 - 6
 - 8

For questions 21-35 refer to pages 38-77 of the SimTalk.

21. EPDs are the most accurate and effective tool available for comparing genetic levels.
- True
 - False
22. The Stayability EPD measures the percent of a bull's daughters remaining in the cowherd at ____ years of age.
- 2
 - 4
 - 6
 - 8
23. Which symbol denotes a genetic trait leader?
- #
 - !
 - +
 - *
24. What is the average Weaning Weight (WW) EPD for Purebred Simmentals?
- 19.2
 - 32.2
 - 37.6
 - 50.6

For questions 25-29 refer to the following Purebred sire on page 45.

- a. DAUME FULL THROTTLE R071
 - b. DBS HIGH LINER 507S
 - c. DIKEMANS SURE BET
 - d. DJ SALUTE G509
 - e. DJ SALUTION S502
25. Which bull ranks in the top 1% for both All Purpose Index and Terminal Index?
26. Which bull is the least desirable choice to use on first-calf heifers?
27. Which bull has the same sire as DIKEMANS SURE BET?
28. Which bull's parentage is confirmed only to the sire?
29. Which bull is a genetic trait leader for weaning weight and yearling weight?
30. Which EPD accounts for percent of unassisted births when used on heifers?
- a. All Purpose Index
 - b. Birth Weight
 - c. Calving Ease
 - d. Maternal Milk
31. Which Simbrah bull is not a purebred?
- a. HAGANS ANTE UP 51S
 - b. NF SMITH SARGEANT
 - c. PRR PERFECTION 82S
 - d. RX CINNAMON
32. Which Hybrid Sire would sire the highest marbled carcasses?
- a. R5-1096
 - b. RDDS FUTUREPROTOTYPE 13M
 - c. RDDS ULTRA DICE 1SA
 - d. SANDEENS SOS
33. Which Fullblood sire is polled?
- a. ANCHOR T METRO 4E
 - b. BAR 5 P SA EXPERT 826M
 - c. BHR OAKES SA S585E
 - d. GREAT GUNS TX BUDDY 102P
34. Which EPD evaluates sires for use on mature Angus cows with all offspring put on feed and sold grade and yield?
- a. Terminal Index
 - b. All Purpose Index
 - c. Yearling Weight
 - d. Marbling

35. What is the registration number of Purebred sire 3C MACHO M450 BZ?
- a. 2,300,147
 - b. 2,184,077
 - c. 2,054,892
 - d. 2,432,045