

2015 TJSSA STATE FUTURITY

Junior Cattleman's Quiz

1. The U.S. cattle inventory _____ 1% as of January 1, 2015 from the previous year.
 - a. Increased
 - b. Decreased
2. Which of the following breeds of cattle is of *Bos taurus* descent?
 - a. Shorthorn
 - b. Bonsmara
 - c. Nelore
 - d. Zebu
3. What compound is used to freeze and store semen and embryos from cattle?
 - a. Dry Ice
 - b. Methyl Alcohol
 - c. Liquid nitrogen
 - d. Novalsan
4. Which of the following foods is the most nutrient dense in protein?
 - a. Serving of Tofu
 - b. Serving of skinless chicken breast
 - c. Serving of kidney beans
 - d. Serving of lean beef
5. Who is currently serving as the Chairman of the ASA Board of Trustees?
 - a. Tim Smith
 - b. Robert Lanting
 - c. Jim Butcher
 - d. Erika Kenner
6. Young cattle that have just entered the feedlot phase of production are started on a ____ concentrate ration so their digestive tract has time to adjust.
 - a. Low
 - b. High
7. Which method cannot be used to determine pregnancy in cows?
 - a. Rectal palpation
 - b. Blood testing
 - c. DNA testing
 - d. Ultrasound

8. What is the year-letter cattle identification for 2015?
- B
 - C
 - D
 - E
9. Inflammation of a cow's mammary gland usually caused by bacteria entering the teat canal is called _____.
- Endometriosis
 - Anaplasmosis
 - Mastitis
 - Acidosis
10. What is the name of the lab that processes DNA samples for the American Simmental Association?
- GeneSeek, Inc.
 - Genetics, Inc.
 - Genomic Solutions
 - Sexing Technologies
11. The American Simmental Association will register a cow that is $\frac{7}{8}$ SM and $\frac{1}{8}$ AN as a purebred.
- True
 - False
12. A newborn calf is approximately ___% water at birth.
- 30
 - 50
 - 70
 - 90
13. Experts recommend that cows should calve in body condition score of at least ___ to ensure calf health.
- 2
 - 5
 - 7
 - 9
14. Older cattle are more susceptible to internal parasites than young cattle.
- True
 - False

15. Which of the following ingredients is the best source of roughage in a ration for beef cattle?
- Cottonseed hulls
 - Steam-rolled corn
 - Soybean meal
 - Dried distillers grains
16. Where is AJSA's "The Summit" leadership conference being held this summer?
- College Station, Texas
 - Stillwater, Oklahoma
 - Louisville, Kentucky
 - Bozeman, Montana
17. Which stomach of the cow is the largest and serves as the primary site for microbial fermentation of ingested feed?
- Omasum
 - Abomasum
 - Rumen
 - Reticulum
18. What is the average gestation length for a cow?
- 205 days
 - 283 days
 - 365 days
 - 400 days
19. The number of fed cattle grading USDA Prime and USDA Choice has increased in recent years.
- True
 - False
 - Has stayed the same
20. A USDA "A" maturity beef carcass must be older than 9 months of age and younger than ___ months of age.
- 12
 - 18
 - 24
 - 30

For questions 21-30 please refer to the attached screenshots of sire searches performed through ASA Herdbook Services technology. The sires that were searched are as follows:

- a. GIBBS 0617XHY ULTRASOUND
- b. HOOK'S XPECTATION 36X
- c. S D S GRADUATE 006X
- d. TJ COWBOY'S CHOICE 420B

- 21. Which bull's EPD profile has NOT been enhanced by genomic testing?
- 22. Which bull is less than 1/2 Simmental?
- 23. Which bull has not been documented as homozygous black?
- 24. Which bull will cause the least amount of calving difficulty when bred to virgin heifers?
- 25. For a producer that sells their calves by the pound at weaning, which bull's calves would generate the most profit?
- 26. Which bull is red?
- 27. Which bull has the least amount of progeny recorded with the ASA?
- 28. Which bull's progeny will be most valuable in a terminal setting where all progeny are marketed on a grade and yield grid?
- 29. Which bull will sire progeny with the largest ribeye areas?
- 30. Which bull has been transferred twice?
- 31. Which breed of cattle is a composite, meaning a cross of two or more breeds?
 - a. Shorthorn
 - b. Charolais
 - c. Simbrah
 - d. Hereford
- 32. What bull holds registration #1 with the American Simmental Association?
 - a. Galant
 - b. Sigfried
 - c. Bismark
 - d. Parisien

33. What is the term used for cattle that are too straight on their hind legs?
- a. Sickle hocked
 - b. Post legged
 - c. Cow hocked
 - d. Bow legged
34. In mammals, the fetus develops during pregnancy in which female reproductive organ?
- a. Uterus
 - b. Ovary
 - c. Cervix
 - d. Fallopian tubes
35. What is the average cost of a straw of beef bull semen?
- a. \$10
 - b. \$25
 - c. \$50
 - d. \$150