

## 2013 TJSSA State Futurity

### Junior Cattleman's Quiz

1. What institution is home to the world's largest cattle genetic evaluation?
  - a. American Angus Association
  - b. Breed Plan Australia
  - c. American Simmental Association
  - d. American Hereford Association
  
2. Frame Score is measured by a height measurement at the \_\_\_\_\_ and age of animal.
  - a. Hip
  - b. Crest
  - c. Withers
  - d. Pins
  
3. Lean beef is an excellent source of which nutrient?
  - a. Zinc
  - b. Iron
  - c. Protein
  - d. All of the Above
  
4. Which segment of the beef industry is a Concentrated Animal Feeding Operation?
  - a. Seedstock
  - b. Commercial Cow/Calf
  - c. Packer
  - d. Feeder
  
5. Which is NOT a viable option for determining pregnancy in cows?
  - a. Blood sample
  - b. Ultrasound
  - c. Rectal Palpation
  - d. Urine Sample
  
6. Where is the 2014 National Simmental Show being held?
  - a. National Western Stock Show
  - b. Fort Worth Stock Show
  - c. American Royal
  - d. North American International Livestock Exposition
  
7. What term is used for the process of stimulating a donor cow to produce many eggs in one estrous cycle?
  - a. Artificial Insemination
  - b. Synchronization
  - c. Super Ovulation
  - d. Palpation

8. Which American breed of cattle is composed of Brahman, Hereford and Shorthorn?
  - a. Beefmaster
  - b. Brangus
  - c. Santa Gertrudis
  - d. Santa Cruz
  
9. Which of the following is NOT a benefit of estrous synchronization?
  - a. Stimulating anestrous cows to cycle
  - b. Heavier calf crop weaned
  - c. Propagation of superior genetics
  - d. Labor
  
10. Which genetic defect is found in the Angus breed?
  - a. Curly Calf
  - b. Double Muscling
  - c. Parrot Mouth
  - d. Tibial Hemimelia
  
11. Which production trait is most heritable in beef cattle?
  - a. Milk production
  - b. Marbling
  - c. Calving ease
  - d. Fertility
  
12. What is the average length of a beef cow's pregnancy?
  - a. 205 days
  - b. 283 days
  - c. 365 days
  - d. 400 days
  
13. Which vitamin can be produced by sunlight exposure?
  - a. A
  - b. D
  - c. E
  - d. K
  
14. The Beef Checkoff is a beef industry funded initiative that promotes beef consumption to consumers. Cattle producers pay \$\_\_\_/head each time an animal is sold in its lifetime.
  - a. 1
  - b. 2
  - c. 5
  - d. 10
  
15. Where is this year's AJSA National Classic being held?
  - a. Fort Worth, Texas
  - b. Lincoln, Nebraska
  - c. Louisville, Kentucky
  - d. Denver, Colorado

16. Which term best describes the way an animal looks?
- Progeny
  - EPD
  - Phenotype
  - Pedigree
17. Which feed ingredient is the best source of energy in a beef cattle ration?
- Alfalfa hay
  - Soybean hulls
  - Cottonseed meal
  - Cracked corn
18. If a homozygous black bull is mated to red cows, what percent of their progeny would you expect to be black?
- 0%
  - 33%
  - 50%
  - 100%
19. A purebred Simmental cow is mated to a  $\frac{3}{4}$  Simmental x  $\frac{1}{4}$  Angus bull. Will the resulting progeny be purebred?
- Yes
  - No
20. What is the highest award that a Simmental breeder can be recognized with by the World Simmental Fleckvieh Federation?
- Performance Advocate
  - Golden Book
  - Simmental Shield
  - Power Breeder

For questions 21 -30 , use the supplement sheet provided.

- DBS AMIGO 564W
- DHF JADES DREAMWORKS
- DIKEMANS SURE BET
- DJ SALUTION S502
- DRS J91 OUTBACK 604S

21. Which bull could be called a "heifer bull"?
22. Which bull has the most progeny on record for carcass data?
23. Which bull would have the heaviest calves at weaning?
24. Which bull is scurred?
25. Which bull is not parentally validated?

26. Which bull's steer progeny would be most valuable if ownership is retained through slaughter?
27. Which bull would sire the least docile progeny?
28. Which bull's maternal grand sire is BLACK MICK?
29. Which bull should have the least amount of daughters still in production after six years?
30. How many bulls rank in the bottom half among purebreds for All Purpose Index?
- 0
  - 1
  - 2
  - 3
31. What is the term for the period of sexual receptivity in a cow?
- Parturition
  - Gestation
  - Estrus
  - Estrous
32. What is the proper water bath temperature for thawing frozen semen?
- 72 degrees
  - 80 degrees
  - 90 degrees
  - 96 degrees
33. Which cut of beef would be best cooked using a low heat, moist-heat technique?
- Pot roast
  - Ribeye steak
  - Filet Mignon
  - Ground beef
34. Which disease is an infection of the mammary glands?
- Vesiculitis
  - Mastitis
  - Edema
  - Endometriosis
35. Who is the Chairman of the ASA Board of Trustees?
- Bill McDonald
  - Jerry Lipsey
  - Jesse Driggers
  - Kevin Thompson

