

2015 TJSSA STATE FUTURITY

Intermediate/Senior Cattleman's Quiz

1. The U.S. beef cow herd for the first time in many years is expanding. Which factor would not promote expansion of the beef herd?
 - a. Drought stricken areas receiving abundant rainfall
 - b. Record high prices in all segments of the industry
 - c. Record high corn prices
 - d. Increased demand in U.S. beef exports

2. Which antibiotic used in cattle does not require a veterinarian's prescription?
 - a. Draxxin
 - b. Penicillin
 - c. Nuflor
 - d. Excede

3. Which Simmental bull was wrongly identified by the American Simmental Association (ASA) as a CA (fawn calf) carrier in May 2015 when he was in fact free of CA.
 - a. W/C Wide Track 694Y
 - b. MR NLC Upgrade U8676
 - c. SVF Steel Force S701
 - d. Hook's Shear Force 38K

4. Where is the ASA hosting their 2015 Fall Focus Conference "Confidence Builds Success"?
 - a. Bozeman, Montana
 - b. Kansas City, Missouri
 - c. Denver, Colorado
 - d. Gettysburg, Pennsylvania

5. Who serves are the Executive Vice President for the ASA?
 - a. Robert Lanting
 - b. Jim Butcher
 - c. Wade Shafer
 - d. Jerry Lipsey

6. Which government agency issued the "Water of the United States" rule, in which this agency will have jurisdiction over all bodies of water on private property across the United States?
 - a. Environmental Protection Agency
 - b. Public Lands Council
 - c. United States Department of Agriculture
 - d. Clean Water Agency

7. The ASA publishes a Maintenance Energy EPD.
 - a. True
 - b. False

8. What is the structure on the ovary that produces high levels of progesterone responsible for maintaining a pregnancy?
 - a. Graafian follicle
 - b. Corpus luteum
 - c. Zona pellucida
 - d. Oocyte

9. Which letter is not used in the international year-letter designation for identification?
 - a. C
 - b. L
 - c. V
 - d. Y

10. The ASA uses reported data from members who are not enrolled in Total Herd Enrollment for their genetic evaluation.
 - a. True
 - b. False

11. Which term is used to describe the amount of feed an animal consumes as compared to the amount of body weight gained, usually expressed as a ratio.
 - a. Feed conversion
 - b. Compensatory gain
 - c. Average daily gain
 - d. Energy for gain

12. The ASA allows cattle to be registered that are suspect of being genetic defect carriers.
 - a. True
 - b. False

13. What structure is formed immediately after fertilization in mammals?
 - a. Embryo
 - b. Egg
 - c. Fetus
 - d. Zygote

14. Which of the following breeds is not known as a Continental breed?
 - a. Braunvieh
 - b. Simmental
 - c. Shorthorn
 - d. Chianina

15. What is the name of the failure of one or both of the testicles to descend into the scrotum?
- Androgenized
 - Cryptorchid
 - Freemartin
 - Gomer
16. At what level of Simmental breeding is a Simbrah individual considered purebred, providing the remaining percentage is Brahman?
- 1/4
 - 1/2
 - 5/8
 - 3/4
17. Which of the following statements is NOT true of advantages of In Vitro Fertilization (IVF)?
- There are numerous practitioners across the US.
 - Can be performed on pregnant donors up until day 100-120 of pregnancy.
 - Can fertilize multiple donors with a single straw of semen.
 - Procedure can be done every week or every other week.
18. Which breed association was the first to publish a beef breed sire summary in 1971?
- American Angus Association
 - American Hereford Association
 - American-International Charolais Association
 - American Simmental Association
19. The rule of thumb is to never give more than ___cc of an injectable product at the same injection site.
- 2
 - 5
 - 10
 - 20
20. Bull calves should be castrated at less than ___ months to minimize stress, weight loss, and decrease in quality grade.
- 3
 - 6
 - 8
 - 10
21. From 2005 to present day, a higher percentage of cattle have been grading USDA Choice or higher.
- True
 - False

22. Which of the following countries is not a top export market for U.S. Beef?
- Canada
 - Japan
 - Mexico
 - China
23. Which company is the largest cattle feeding operation in the U.S.?
- Cactus Feeders: Amarillo, TX
 - JBS Five Rivers, LLC: Greeley, CO
 - Tyson Foods, Inc.: Springdale, AR
 - Irsik & Doll Feed Services, Inc.: Cimmaron, KS
24. What is the most tender cut of beef in the beef carcass?
- Tenderloin
 - Round steak
 - Ribeye
 - Sirloin
25. Which of the following is a qualitative trait in cattle?
- Birth weight
 - Feed efficiency
 - Marbling
 - Coat color
26. Which respiratory disease of cattle is associated with a type 1 and type 2 and can have persistently infected animals?
- Bovine Virus Diarrhea
 - Bovine Respiratory Syncytial Virus
 - Parainfluenza₃
 - Infectious Bovine Rhinotracheitis
27. A USDA "A" maturity beef carcass must be older than 9 months and younger than ___ months of age.
- 12
 - 18
 - 24
 - 30
28. Which breed of cattle is a composite?
- Braunvieh
 - Shorthorn
 - Santa Gertrudis
 - Saler

29. Which genetic defect is prevalent in populations of Shorthorn, Maine Anjou, and Chianina cattle?
- Developmental Duplication
 - Tibial Hemimelia
 - Neuropathic Hydrocephalus
 - Arthrogyrosis Multiplex
30. Which corn processing method maximizes starch digestibility and available energy?
- Cracking
 - Grinding
 - Steam flaking
 - Processing doesn't change available digestibility and energy

For questions 31-40 please reference the attached screenshots of sire searches performed through ASA Herdbook Services technology. The sires that were searched are as follows:

- GIBBS 0617XHY ULTRASOUND
- HOOK'S XPECTATION 36X
- S D S GRADUATE 006X
- TJ COWBOY'S CHOICE 420B

31. Which bull is less than 50% Simmental?
32. Which bull is too young to have sired any progeny?
33. For a producer whose goal is to market feed cattle that grade USDA Prime, which bull would be the best choice to attain that goal?
34. Which bull when bred to yearling heifers would sire the least amount of calving difficulty?
35. Which bull would produce heterozygous black progeny when mated to homozygous black cows?
36. Which bull's EPD profile has not been enhanced by genomic testing?
37. For the producer who markets calves at weaning at a local auction barn, which bull should sire the most profitable calves?
38. Which bull has been transferred twice?
39. Which bull will sire purebred Simmental offspring when mated to purebred Simmental cows?
40. For a small breeder with limited working facilities, which bull would sire the easiest handling cattle?

41. What is the national average cost of a straw of semen?
- \$10
 - \$25
 - \$50
 - \$100
42. Older cattle are more susceptible to internal parasites than young cattle.
- True
 - False
43. What is the name of the program, established in 1986, that collects \$1 every time cattle are marketed and uses the money for promotion, research, and education?
- National Cattlemen's Beef Association
 - Beef Quality Assurance
 - Beef Improvement Federation
 - Beef Checkoff
44. What is the best preventative measure for keeping trichomoniasis from entering your cowherd?
- Vaccination
 - Testing herd bulls before turn out
 - Testing the cowherd before turn out
 - Feed medicated with antibiotics
45. Which term describes the act of treating an entire group of calves with an antibiotic upon arrival at a facility, usually used on commingled, high stress cattle.
- Metaphalaxis
 - Ad libitum
 - Involution
 - Hedging
46. Which factor is not used to determine a USDA Yield Grade?
- Kidney, pelvic, and heart fat
 - Ribeye area
 - Backfat
 - Maturity
47. Heterosis has the most dramatic positive effect upon the cowherd in what manner of traits?
- Carcass
 - Growth
 - Reproductive
 - If affects all these traits equally

48. What is the term used for the mating of an individual to another in the same breed that is not related to it?
- Outcrossing
 - Linebreeding
 - Crossbreeding
 - Backcrossing
49. _____ is the deduction from an animal's weight, often expressed as a percentage of live weight, to account for fill (usually 3% for off-pasture weights and 4% for fed-cattle).
- Per capita
 - Preconditioning
 - Pencil shrink
 - Risk management
50. What is the name of the Simmental bull that holds registration #1 with the ASA?
- Bismark
 - Galant
 - Abricot
 - Parisien