

2021 TJSSA State Futurity Intermediate Cattlemen's Quiz

1. The American Simmental Association is headquartered in:
 - a. Bozeman, Montana
 - b. Oklahoma City, Oklahoma
 - c. Fort Worth, Texas
 - d. Kansas City, Missouri
2. Which measurement determines preliminary yield grade?
 - a. Ribeye area
 - b. Kidney, pelvic, and heart fat
 - c. 12th rib fat thickness
 - d. Carcass weight
3. Vector-borne diseases are transmitted by:
 - a. Respiratory droplets
 - b. Manure
 - c. Toxic plants
 - d. Parasites
4. What is the industry average weight for a fat steer ready for harvest?
 - a. 875
 - b. 1050
 - c. 1375
 - d. 1750
5. Which SimGenetic animal is not a composite?
 - a. Fleckvieh
 - b. Simbrah
 - c. SimAngus HT
 - d. SimAngus
6. What is the year-letter designation for 2021?
 - a. G
 - b. H
 - c. I
 - d. J
7. Which breed association does not use International Genetic Solutions (IGS) as their source for genetic predictions?
 - a. American Angus Association
 - b. Red Angus Association of America
 - c. North American Limousin Foundation
 - d. Canadian Simmental Association
8. Which product is the best choice for treating foot rot?
 - a. Tetracycline
 - b. Probiotics
 - c. Mineral oil
 - d. Ivomec

9. Which quantitative trait is the least heritable?
 - a. Birth weight
 - b. Average daily gain
 - c. Fertility
 - d. Marbling
10. Red coat color is dominant to black coat color.
 - a. True
 - b. False
 - c. They are codominant
11. In terms of beef carcasses, A, B, C, D, and E and scores for:
 - a. Yield
 - b. Maturity
 - c. Marbling
 - d. Color of lean tissue
12. Steam flaked corn is used in a finishing ration as a source of:
 - a. Mineral
 - b. Protein
 - c. Roughage
 - d. Energy
13. What is not an advantage of the Simbrah breed vs. Simmental?
 - a. Heat dissipation
 - b. Insect Resistance
 - c. Marbling
 - d. Longevity
14. Which method is not used for a DNA sampling by Neogen GeneSeek?
 - a. Saliva
 - b. Tissue
 - c. Hair
 - d. Blood
15. What is the rule of thumb for a mature bull to cow ratio for natural service?
 - a. 1:5
 - b. 1:25
 - c. 1:60
 - d. 1:100
16. Who is the Executive Vice President of the American Simmental Association?
 - a. Steve McGuire
 - b. Fred Scheutze
 - c. Chip Kemp
 - d. Wade Shafer

17. Which disease is a protozoan parasite whose clinical symptoms include acute diarrhea with or without blood, straining, rough coat, and severe weight loss and is primarily a disease of young animals?
 - a. Acidosis
 - b. Coccidiosis
 - c. Trichomoniasis
 - d. Brucellosis
18. Which number is a good estimate of how many gallons of water a lactating cow needs to consume each day?
 - a. 7
 - b. 15
 - c. 26
 - d. 42
19. With the advancement of genomic testing, continued collection of phenotypic records is less important for genetic predictions.
 - a. True
 - b. False
20. Which beef retail cut costs the most on a per pound basis?
 - a. Tri-tip
 - b. Round steak
 - c. Skirt steak
 - d. Bone-in ribeye
21. Which organ transports the egg from the ovary to the uterus?
 - a. Fallopian Tube
 - b. Vulva
 - c. Cervix
 - d. Urethra
22. Which segment of the beef industry pre-conditions weaned calves on a high roughage diet?
 - a. Cow/calf
 - b. Seedstock
 - c. Stocker
 - d. Feeder
23. What is the recommended age for calving first-calf heifers to maximize total lifetime productivity?
 - a. 12 months
 - b. 18 months
 - c. 24 months
 - d. 36 months
24. What length needle is recommended for subcutaneous injections?
 - a. 3/4"
 - b. 1 1/2"
 - c. 2"
 - d. 3"

25. Which statement is untrue regarding the effect of Bovine Respiratory Disease Complex in feedlot cattle?
- Reduced number of cattle grading choice
 - Lower average daily gain
 - Increased breakeven
 - Decreased cost of gain
26. A calf from which resulting cross would also reap the benefits of maternal heterosis:
- Angus cow x SimAngus bull
 - Simmental cow x Angus bull
 - SimAngus cow x Simmental bull
 - Angus cow x Simmental bull
27. Which country is the top export market for U.S. beef?
- Mexico
 - Japan
 - China
 - Brazil
28. According to USDA's National Agricultural Statistics Service which state has the most cattle on feed?
- Texas
 - Kansas
 - Nebraska
 - Colorado
29. Which of the following is not a growth promoting implant for cattle?
- Ralgro
 - Synovex
 - Zactran
 - Revalor
30. _____ is a chronic disease of profuse, watery diarrhea and weight loss or "wasting" in adult cattle caused by the bacterium *Mycobacterium avium* subsp. *Paratuberculosis*.
- Blackleg
 - Johne's
 - Acidosis
 - Bovine Viral Diarrhea
31. As experienced palpation technician can determine pregnancy in cows as early as:
- 15 days
 - 35 days
 - 60 days
 - 90 days
32. The American Simmental Association was established in _____.
- 1857
 - 1903
 - 1968
 - 1982

33. A productive cow has a calving interval of ____ days throughout her lifetime.
- 205
 - 283
 - 300
 - 365
34. Pricing cattle on a grade and yield basis is referred to as:
- Grid pricing
 - Dressed weight pricing
 - Live cattle pricing
 - Terminal pricing
35. Who is the USDA's Secretary of Agriculture?
- Sonny Perdue
 - Mike Pence
 - Sid Miller
 - Tom Vilsack
36. Consumers of beef have voiced _____ as their biggest concern.
- Percent cattle grading choice
 - Average age of farmer
 - Sustainability
 - Retail cuts too large
37. All are sources of acquired immunity except:
- Antibiotics
 - Vaccines
 - Exposure to an infection
 - Another animal's antibodies
38. A heterozygous polled bull is mated to a heterozygous polled cow, what is the probability the resulting offspring will be homozygous polled?
- 0%
 - 25%
 - 50%
 - 100%
39. A CIDR is a product used for which process?
- Cannulation
 - Deworming
 - Calving assistance
 - Synchronization
40. Which animal would produce a purebred Simbrah when mated to a $\frac{1}{4}$ Simmental x $\frac{3}{4}$ Brahman animal?
- Purebred Brahman
 - Purebred Simmental
 - $\frac{1}{2}$ Simmental x $\frac{1}{2}$ Brahman
 - $\frac{3}{4}$ Simmental x $\frac{1}{4}$ Brahman

Tie Breaker Questions

41. Which animal is not a ruminant?
 - a. Deer
 - b. Goat
 - c. Horse
 - d. Sheep
42. Which breed is of the dairy biological type?
 - a. Braunvieh
 - b. Brown Swiss
 - c. Nelore
 - d. Gelbvieh
43. Which animal scientist is famed for their work in animal handling and behavior?
 - a. Bob Weaber
 - b. Gregor Mendel
 - c. Temple Grandin
 - d. Rick Funston
44. A subscription to the *SimTalk* is free.
 - a. True
 - b. False
45. Who is the Chairman of the ASA Board of Trustees?
 - a. Barry Wesner
 - b. Tim Curran
 - c. Kent Brunner
 - d. Randy Moody