

## 2019 TJSSA STATE FUTURITY INTERMEDIATE CATTLEMEN'S QUIZ

1. What is the year-letter designation for 2020?
  - a. F
  - b. G
  - c. H
  - d. J
2. How many hours after standing heat should a cow be artificially inseminated?
  - a. 0
  - b. 6
  - c. 12
  - d. 24
3. Who is the Chairman of the American Simmental Association Board of Trustees?
  - a. Gordon Hodges
  - b. Wade Shafer
  - c. Chip Kemp
  - d. Erika Kenner
4. What is the name of the structure that connects ovaries to the uterus?
  - a. Cervix
  - b. Fallopian tubes
  - c. Vulva
  - d. Corpus Luteum
5. Ringworm is a \_\_\_\_\_.
  - a. Bacteria
  - b. Parasite
  - c. Virus
  - d. Fungus
6. Who is the USDA Secretary of Agriculture?
  - a. Mike Pence
  - b. Greg Abbott
  - c. Sonny Perdue
  - d. Nikki Haley
7. Draxxin, Micotil, and Nuflor are examples of what type of product?
  - a. Antibiotic
  - b. Vaccine
  - c. Dewormer
  - d. Probiotic

8. Which segment of the beef industry buys loads of weaned calves and backgrounds them on a high roughage diet?
  - a. Feeder
  - b. Cow/Calf
  - c. Packer
  - d. Stocker
9. What symbiotic relationship is described as one organism benefitting from the relationship at the expense of the other?
  - a. Mutualism
  - b. Commensalism
  - c. Parasitism
  - d. Ectosymbiosis
10. The U.S. Beef cowherd has been decreasing the past several years.
  - a. True
  - b. False
11. Which factor is not used to determine USDA Yield Grade?
  - a. Backfat
  - b. Age
  - c. Ribeye area
  - d. Kidney, pelvic, and heart fat
12. The average American is \_\_\_\_ generations removed from working on a farm.
  - a. One
  - b. Three
  - c. Five
  - d. Seven
13. Which type of vaccine delivers the most complete and longest immune response?
  - a. Inactivated
  - b. Killed
  - c. Modified Live
  - d. Conjugate
14. Which hormone do the products Lutalyse and Estrumate synthesize?
  - a. Prostaglandin F<sub>2</sub> $\alpha$
  - b. Progesterone
  - c. Estrogen
  - d. GnRH
15. Crossbreeding enhances almost all aspects of reproductive performance.
  - a. True
  - b. False
16. Coat color in cattle is considered a \_\_\_\_\_ trait.
  - a. Congenital
  - b. Additive
  - c. Qualitative
  - d. Quantitative

17. \_\_\_\_\_ is a compound that alters rumen fermentation patterns and are used in cattle diets to increase feed efficiency and body weight gain.
- Growth implants
  - Acidosis
  - Sodium Iodide
  - Ionophore
18. Calcium and \_\_\_\_\_ are the major mineral components of the skeleton.
- Cobalt
  - Phosphorous
  - Copper
  - Selenium
19. What is the total duration in days of spermatogenesis (process of sperm cell development) in bulls?
- 15 days
  - 30 days
  - 60 days
  - 90 days
20. The vast majority of weaned calves are marketed through which venue?
- Local auction barn
  - Video auction
  - Retained ownership
  - Ranch contract with feeders
21. An A maturity beef carcass with a marbling score of Small 40 is classified as USDA \_\_\_\_\_.
- Prime
  - High Choice
  - Low Choice
  - Select
22. U.S. beef recently gained full access to its largest export market because of a ban lifted on age restriction, which country is this?
- Canada
  - Japan
  - China
  - Thailand
23. The New York strip cut of beef comes from with primal?
- Rib
  - Round
  - Loin
  - Chuck
24. What are the symptoms of the nutritional disorder bloat?
- Nervousness, muscle twitching, staggers, and muscle spasms
  - Reduced feed intake, lameness, and decreased feed efficiency
  - Straining to urinate, blood-tinged urine, and signs of extreme pain
  - Kicking at belly, distended left side, and absence of belching

25. The condition when one of both testicles fail to descend into their normal positions in the scrotum.
- Cryptorchid
  - Delineation
  - Endometriosis
  - Freemartin
26. Which segment of the beef industry is classified as a Concentrated Animal Feeding Operation?
- Seedstock
  - Feeder
  - Stocker
  - Packer
27. What is the chromosome pairing of males?
- XX
  - XY
  - XXY
  - YY
28. Which of the following is an internal parasite in cattle?
- Ringworm
  - Ticks
  - Nematode
  - Lice
29. Research has shown that poor dispositions negatively affect reproductive and feedlot performance in cattle.
- True
  - False
  - No effect
30. Parturition is a term for which act:
- Pregnancy
  - Giving birth
  - Calving difficulty
  - Chewing the cud

**For questions 31-40 refer to the reference sheets provided on the following bulls:**

- BGIBBS 5381C AJAX**
- CDI INNOVATOR 325D**
- LCDR MAKIN' WAVES 711E**
- TJ FRANCHISE 451D**
- TJ POWER GRID 363Y**

31. Which bull is the product of the super ovulation of a donor cow?
32. Which bull is the best choice to use on virgin heifers for their first calf?
33. Which bull has the most accurate EPD profile?

34. Which bull is the best choice for a producer that sells calves at weaning?
35. Which bull offers the most genetic improvement for USDA Quality Grades?
36. Which bull is sired by a purebred Angus bull?
37. Of the 3/4 Simmental bulls, which bull's daughters should calve out the easiest?
38. Which bull is the best choice for producers that keep replacement heifers and put the remainder of their calves on feed and sell grade and yield?
39. Which bull would cause increased risk of dystocia if used on heifers?
40. How many bulls are confirmed by DNA to both parents?
  - a. 1
  - b. 2
  - c. 3
  - d. 4
  - e. 5