

**Junior Quiz**  
**2016 State 4-H/FFA Stockmen's Contest**

1. Which livestock feed would have the highest percentage of crude protein?
  - a. Corn
  - b. Alfalfa hay
  - c. Cotton Seed Meal
  - d. Wheat
2. Which of the following can occur in cattle grazing lush forage during the spring?
  - a. Grass tetany
  - b. Acidosis
  - c. Milk fever
  - d. Urinary calculi
3. What part of the female reproductive tract houses the embryo/fetus during gestations?
  - a. Ovary
  - b. Oviduct
  - c. Uterus
  - d. Cervix
4. Your ewe was marked on September 1<sup>st</sup> and settled. When should she lamb?
  - a. January 15<sup>th</sup>
  - b. February 10<sup>th</sup>
  - c. January 25<sup>th</sup>
  - d. February 20<sup>th</sup>
5. What chemical element must be supplemented to newborn pigs?
  - a. Iron
  - b. Copper
  - c. Zinc
  - d. Selenium
6. Which of the following are USDA cattle yield grades?
  - a. Prime, Choice, Select
  - b. 1, 2, 3, 4, 5
  - c. A, B, C, D, E
  - d. Acceptable, Unacceptable
7. You artificially breed your show heifer on October 2 but she does not get pregnant. When will she be back in heat?
  - a. October 15<sup>th</sup>
  - b. November 1<sup>st</sup>
  - c. October 23<sup>rd</sup>
  - d. November 5<sup>th</sup>
8. Ergot alkaloids are found in what common forage variety in the south eastern US.
  - a. Johnson grass
  - b. Alfalfa
  - c. Tall Fescue
  - d. Bermuda
9. Which of the following is a heat tolerant breed of cattle developed in the US?
  - a. Hereford
  - b. Brahman
  - c. Devon
  - d. Red Poll
10. Which of the following is the highest USDA Quality grade for beef carcasses?
  - a. Utility
  - b. Canner
  - c. Standard
  - d. Select
11. Which of the following hog breeds would be considered a terminal breed?
  - a. Landrace
  - b. Chester
  - c. Hampshire
  - d. Yorkshire
12. Which of the following is an example of a ruminant animal?
  - a. Chicken
  - b. Horse
  - c. Goat
  - d. Pig
13. Gestation length in swine is \_\_\_\_\_?
  - a. 99 days
  - b. 113 days
  - c. 131 days
  - d. 144 days
14. What terms describes the practice of supplementing sheep with additional feed prior to breeding season to increase ovulation and fertility?
  - a. Flushing
  - b. Fasting
  - c. Drenching
  - d. Fattening

15. What country is the origin of Boer goats?
- a. England
  - b. Africa
  - c. Australia
  - d. United States
16. Which of the following is not a primal cut in pork?
- a. Ham
  - b. Belly
  - c. Boston butt
  - d. Rack
17. Which mineral is extremely toxic to sheep, even in very low doses?
- a. Copper
  - b. Phosphorus
  - c. Iron
  - d. Zinc
18. According to beef quality assurance guidelines, where is the appropriate place to give an injection?
- a. Neck
  - b. Rib cage
  - c. Loin
  - d. Rump
19. What is the estrous cycle length for goats?
- a. 10 days
  - b. 21 days
  - c. 14 days
  - d. 27 days
20. Which one of the following genotype would be used to indicate a sheep is Scrapie susceptible?
- a. NN
  - b. RR
  - c. SS
  - d. QQ
21. Your steer weighs 655 pounds on April 17<sup>th</sup>. 20 days later it weighs 725 pounds. What is the average daily gain of this steer?
- a. 2.75 pound
  - b. 3.5 pounds
  - c. 3 pounds
  - d. 4 pounds
22. A sudden conversion to a high grain/starch diet from an all forage diet may lead to which condition in feed lot cattle?
- a. Acidosis
  - b. Bloat
  - c. Listeriosis
  - d. Brucellosis
23. Which of the following does would be at the highest risk for pregnancy ketosis?
- a. A doe 3 months pregnant with a single
  - b. A doe 5 months pregnant with triplets
  - c. A doe in late lactation nursing triplets
  - d. A doe nursing twins
24. What is the term used to describe a twin heifer calf born along with a bull calf?
- a. Cryptorchidic
  - b. Hermaphrodite
  - c. Free Martin
  - d. Bullock
25. In monogastrics the major site of protein absorption is where?
- a. Stomach
  - b. Large intestine
  - c. Cecum
  - d. Small intestine