

2016 State 4-H/FFA Stockmen's Contest

Senior Quiz

1. Your market lamb is being fed a high-energy, predominantly grain diet. Which of the following disorders is of **least** concern?
 - a. Acidosis
 - b. Urinary calculi
 - c. Enterotoxemia
 - d. **Listeriosis**
2. A 265 pound market hog has a dressing percentage of 70%. How much does this hog's carcass weigh?
 - a. 140 lbs
 - b. **193 lbs**
 - c. 165 lbs
 - d. 215 lbs
3. Which of these traits will have the **lowest** heritability?
 - a. **Number born**
 - b. Loin-eye area
 - c. Milk production
 - d. Marbling
4. Which of the following is responsible for causing the red color of meat?
 - a. **Myoglobin**
 - b. Hemoglobin
 - c. Acetate
 - d. immunoglobulin
5. _____ is a form of inbreeding to select for a desired feature by maximizing the relation to a single superior ancestor.
 - a. Crossbreeding
 - b. Out crossing
 - c. **Linebreeding**
 - d. Heterosis
6. An individual who has two of the same allele for a single trait is said to be:
 - a. Heterozygous
 - b. **Homozygous**
 - c. Homologous
 - d. Diplozygous
7. Iron injections are given to piglets in order to prevent _____.
 - a. . **Anemia**
 - b. E. Coli
 - c. Infections
 - d. PEDv
8. What is the ideal dry matter percentage for corn silage?
 - a. 10-15 %
 - b. **33-35%**
 - c. 55-60%
 - d. 85-90%
9. FAMACHA cards are used to monitor levels of which internal parasite?
 - a. Coccidia
 - b. **Barber Pole Worm**
 - c. Tapeworms
 - d. All stomach worms
10. Which compartment of the ruminant stomach digests feedstuffs via bacterial fermentation?
 - a. **Rumen**
 - b. Reticulum
 - c. Omasum
 - d. Abomasum
11. Which hormone is known as the "hormone of darkness" and helps seasonally polyestrous animals such as sheep respond to day length in order to suppress or allow cyclicity?
 - a. Corticosterone
 - b. **Melatonin**
 - c. Testosterone
 - d. Oxytocin
12. What is a typical dressing percentage for a 1250 pound beef steer?
 - a. 50-56%
 - b. 70-75%
 - c. **60-65%**
 - d. 80-85%

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13. Where is sperm made?
- a. Epididymis
 - b. Vas Deferens
 - c. Seminal Vesicles
 - d. **Testicles (testes)**
14. What product could be added to the ration of a show goat wether to prevent urinary calculi?
- a. Bovatec
 - b. Chlortetracycline
 - c. Penicillin
 - d. **Ammonium Chloride**
15. Which disease affects the scrotum of a male?
- a. Pizzle rot
 - b. **Epididymitis**
 - c. Urinary Calculi
 - d. Tetanus
16. What would be an appropriate treatment for a steer with lactic acidosis?
- a. Antibiotics
 - b. **Sodium Bicarbonate**
 - c. Sulfa drugs
 - d. Anthelmintics
17. Which of the following feedstuffs would be the most expensive on a per ton basis?
- a. Corn silage
 - b. Grass hay
 - c. Corn grain
 - d. **Soybean meal**
18. Which swine breed is best known for meat quality traits?
- a. **Berkshire**
 - b. Hampshire
 - c. Pietrain
 - d. Yorkshire
19. Which of the following diseases is caused by a protozoan parasite that is typically spread via cats?
- a. Pinkeye
 - b. Salmonella
 - c. **Toxoplasmosis**
 - d. Enterotoxemia
20. What body condition score would be considered optimal for a mature Angus cross cow?
- a. BCS 1 or 2
 - b. **BCS 5 or 6**
 - c. BCS 9 or 10
 - d. None of these
21. What is the purpose of using a captive bolt gun on a beef animal?
- a. Inject tranquilizers
 - b. Inject a vaccine
 - c. **Stun the animal prior to processing**
 - d. All of the above
22. Your orchard grass hay contains 8.7% crude protein on an as fed basis. The hay is 88% dry matter. What is the crude protein content of this hay on a dry matter basis?
- a. 7.7%
 - b. **9.9%**
 - c. 10.8%
 - d. 15.5%
23. Where in the sow's reproductive tract does the boar deposit semen?
- a. **Cervix**
 - b. Uterus
 - c. Vagina
 - d. Ovaries
24. Prussic acid poisoning is the result of _____?
- a. Wilted wild cherry leaves
 - b. Excess alfalfa in diet
 - c. Frost damaged sorghum sudan
 - d. **Both A and C**
25. Which vitamin is used as a treatment for polio in sheep?
- a. Niacin
 - b. **Thiamin**
 - c. Vitamin K
 - d. Ascorbic acid