Senior Quiz

1. If the genotype AA weighs 30 lbs, Aa weighs 20 lbs, and aa weighs 10 lbs, what is this an example of?
   1. **Partial Dominance**  c. Over Dominance
   2. Complete Dominance d. No Dominance
2. True or **False:**  In the pancreas, beta cells produce glucagon, alpha cells produce insulin.
3. What is one thing beef quality grading is based on?
   1. Degree of muscle c. Degree of bone
   2. **Degree of marbling** d. Degree of skin
4. What is the order of the cattle’s small intestine?
   1. **Duodenum, jejunum, ileum** c. Jejunum, ileum, duodenum
   2. Duodenum, ileum, jejunum d. ileum, jejunum, duodenum
5. Calving interval is heritable.
   1. **Highly** c. Moderately
   2. Lowly d. It’s not a heritable trait
6. The normal gestation length of a beef animal is:
   1. 210-220 days **c. 279-290 days**
   2. 250-263 days d. 295-306 days
7. Who is the current Virginia Secretary of Agriculture?
   1. **Todd Haymore** c. Sandra Gillispie
   2. Tom Vilsack d. Clint Lyle
8. What is the maximum number of cc’s per injection for beef cattle?
   1. 2 cc **c. 10 cc**
   2. 5 cc d. 12 cc
9. The eight beef quality grades in descending order are: Prime, \_\_\_\_\_\_\_\_\_, Select, Standard, Commercial, Utility, \_\_\_\_\_\_\_\_, and Canner. Fill in the blanks.
   1. **Choice, Cutter** c. Acceptable, Unacceptable
   2. Cutter, Choice d. Acceptable, Choice
10. When the testes may not descend and instead remain in the abdomen is a condition referred to as .
    1. Ascended testes **c. Cryptorchidism**
    2. Abdominal testes d. Gonads
11. Goiter caused by a lack of in the diet.
    1. Selenium c. Iron
    2. Magnesium **d. Iodine**
12. **True** orFalse: Hyperplasia is the growth in cell number and hypertrophy is growth in cell size.
13. What is the only way a system captures chemical energy?
    1. **Coprophagy**  c. Taking medication
    2. Laying out in the sun d. None of these ways
14. What percent of protein should growing cattle receive?
    1. 6-10% **c. 12-16%**
    2. 18-22% d. 24-28%
15. What part of the digestive system functions as a storage area for food and aids in the breakdown of coarse particles through bacterial action?

**a. Rumen** c. Abomasun

b. Reticulum d. Omasum

1. True or **False:**  Carbohydrates make up a higher percentage than fats in the body mass of young, growing farm animals.
2. What is the genotype for a horned animal?
   1. PP **c. pp**
   2. Pp d. None of the Above
3. The scrotum is important for sperm protection and .
   1. Ejaculation c. Sperm count
   2. Releasing testosterone **d. Temperature regulation**
4. What is a symptom of coccidiosis?
   1. Weight loss c. Lesions in intestinal wall
   2. Blood in feces **d. All of the Above**
5. When should body condition scoring in cattle be done?
   1. 2-3 weeks before calving c. 2-3 weeks after calving
   2. **2-3 months before calving** d. When the Heifer is not pregnant
6. This growth hormone produces lean tissue growth throughout the animal produced by anterior pituitary gland.
   1. **Somatoptropin** c. Testosterone
   2. Steroid d. Progesterone
7. What is it called when one or more hooves are solid in structure rather than cloven.
   1. Separate **c. Syndactyly**
   2. Closed hooved d. Solid hooved
8. **True** orFalse: Cattle can often become bloated from the feed they are fed. A trocar is used to release the gas when inserted in the left side of the animal.
9. stimulates milk production and plays a role in the development of the Corpus luteum.
   1. Estrogen c. Luteinizing hormone
   2. **Prolactin** d. Progesterone
10. Cattle are fed roughages because they are high in .
    1. Protein **c. Fiber**
    2. TDN d. None of the Above