

Block & Bridle Senior Stockmen's Contest-Written Quiz
PUT YOUR ANSWERS ON THE SCANTRON FORM WITH A NUMBER 2 PENCIL!

1. As Neutral Detergent Fiber (NDF) content of hays increase, which of the following is accurate?
A. Ruminants will consume less B. Maturity at harvest was older
C. Energy content declines **D. All are accurate**
2. Which of the following is not a component of the Beef Quality Assurance (BQA) Program?
A. Feed and Nutrition **B. Genetics and Breeding**
C. Identification and record-keeping D. Vaccine and drug practices
3. The ingredient to add to a swine ration that will provide the most energy is _____?
A. Soy oil B. Corn C. Molasses D. Oats
4. Which one of the following crossbred calves would exhibit the most hybrid vigor?
A. Hereford X Angus C. Simmental X Angus
B. Hereford X Shorthorn **D. Brahman X Angus**
5. Which viral disease of swine had a recent widespread, multistate outbreak?
A. TGEV **B. PEDV** C. PRRVS D. PRV
6. What class of nutrients are needed for proper bone and tooth formation?
A. Minerals B. Vitamins C. Carbohydrates D. Proteins
7. What vitamins are produced by the bacteria in the rumen but must be provided to swine?
A. A vitamins **B. B vitamins** C. C vitamins D. K vitamins
8. A genetic condition in swine that makes them susceptible to external stress associated with animal movement and changes in their environment. Animals testing positive for the gene produce carcasses with poor lean quality.
A. Napole **B. Porcine Stress Syndrome** C. Pseudorabies D. Dysentery
9. Will the period for standing heat usually last longer for sows or gilts?
A. Sows B. gilts C. the same
10. Which is a genetic estimate of an offspring's performance in relation to the average of other animals in the breed?
A. Most Probable Producing Ability B. Breeding Soundness Status
C. Expected Progeny Difference D. Ratio
11. If the carcass price of lamb is \$3.00 per pound, which is closest to the equivalent live price/lb?
A. **\$1.50** B. \$1.25 C. \$1.85 D. \$2.00
12. What temperature should piglets be kept at for the first 10 days?
A. 75-80° F B. 80-85° F **C. 85-90° F** D. 90-95° F

13. Sheep and goats tend to consume _____ percent of their body weight in hay as compared to beef cattle.
 A. **Higher** B. Lower C. Equal
14. Which of the following are considered to genetic defects in livestock species?
 A. Porcine Stress Syndrome B. Spider Syndrome
 C. Dwarfism **D. All choices are genetic defects**
15. Volatile fatty acids are produced in which portion of the ruminant stomach?
A. Rumen B. Reticulum C. Omasum D. Abomasum
16. A pork carcass weighs 135 pounds, has 0.7 inch of backfat and a loin eye area of 6.5 square inches. This carcass is
 A. Too fat B. Too light muscled **C. Too light weight** D. Desirable
17. What is high energy forage crop utilized in most market beef rations?
A. Corn grain B. Chopped hay C. Corn silage D. Distillers grain
18. Which one of these Continental breeds of cattle is more maternally oriented?
 A. Chiannia B. Brahman C. Limousin **D. Simmental**
19. Which hormone or hormones can be use in cattle and sheep estrous synchronization programs?
 A. Progesterone B. Prolactin C. Prostaglandin
 D. Estrogen **E. both A & C**
20. The target body condition score of a cow prior to calving is?
 A. 4-5 **B. 5-6** C. 6-7 D. 7-8
21. BQA guidelines suggest a maximum of _____ per injection site?
 A. 5 ml B. 7 ml **C. 10 ml** D. 12 ml
22. A deficiency of biotin and methionine has an impact on what part of the animal?
 A. bones **B. hoof and pad** C. cartilage D. none of the above
23. In relation to EPD's, estimated breeding values are?
 A. one half of EPDs C. equal to EPDs
 B. **twice the EPDs** D. 5 times the EPDs
24. What happens when hay or silage is stored too wet?
 A. lose nutrients C. lower palatability
 B. improper fermentation **D. all choices are correct**
25. Who contributes the Y chromosome to a bull calf?
 A. **sire** B. dam C. Grandsire D. Grand dam