

Contestant Number \_\_\_\_\_ Contestant Name \_\_\_\_\_

**Senior and Adult Contestants**  
**2007 Virginia Beef Expo Stockman's Contest**

(Bubble in the correct response on the Scantron form using a Number 2 pencil)

- D 1. What is a major health risk to livestock that are grazing straight alfalfa?  
A. Footrot                      B. Milk Fever                      C. Listeriosis                      D. Bloat
- C 2. A deficiency in which nutrient can lead to white muscle disease?  
A. Vitamin A                      B. Iron                      C. Selenium                      D. Zinc
- D 3. Which information on a young bull would be most useful in avoiding calving difficulty when breeding him to first calf heifers?  
A. Bull's birth weight                      B. Bull's sire's birth weight  
C. Bull's shoulder width                      D. Bull's birth weight EPD
- D 4. What do we call a bull calf in which both testicles do not descend normally into the scrotum and are retained in the body cavity?  
A. Hermaphrodite                      B. Chimera                      C. Freemartin                      D. Cryptorchid
- B 5. In an attempt to prevent the establishment in the U.S. of which disease has our beef industry stopped feeding mammalian meat and bone meal, halted the import of cattle and beef from countries with this disease, and closely inspects the brains of cattle acting unusual at slaughter?  
A. Foot and Mouth Disease (FMD)                      B. Bovine Spongiform Encephalopathy (BSE)  
C. Bovine Viral Diarrhea BVD                      D. Mad Ovine Disease (MOD)
- A 6. Which type of cattle will tend have the highest dressing percent?  
A. 1400 lb. steer with .7 inch back fat                      B. 1250 lb. heifer with .3 inch back fat  
C. 1300 lb. "Canner/Cutter" cow                      D. 1400 lb. Holstein steer with .5 inch back fat
- B 7. In which season of the year are the bad effects of the endophyte fungus in tall fescue most troublesome?  
A. Spring                      B. Summer                      C. Fall                      D. Winter
- A 8. If a homozygous polled Simmental bull is bred to a set of horned Hereford cows, how many of the calves will have horns?  
A. 0%                      B. 25%                      C. 50%                      D. 100%
- C 9. If females from the crossbreeding program in #8 above are bred back to horned Hereford bulls, how many of the calves will have horns?  
A. 0%                      B. 25%                      C. 50%                      D. 100%
- B 10. Which of the following is not used to calculate beef carcass yield grades?  
A. Hot carcass weight                      B. Marbling score  
C. Ribeye area                      D. Backfat thickness
- B 11. Which is closest to the average length of the estrous cycle of a cow?  
A. 17 days                      B. 21 days                      C. 205 days                      D. 285 days

D 12. Across the U.S., which is closest to the current liveweight price/cwt. of finished steers?  
A. \$60      B. \$70      C. \$80      D. \$90

D 13. Which feed additive can be used to keep feedlot heifers from coming into "heat?"  
A. Bovatec      B. Lutalyse      C. CIDR      D. MGA

B 14. What score is used to evaluate and describe flesh differences carried by cows and heifers?  
A. Fat Score      B. Body Condition Score  
C. Frame Score      D. Feeder Grade

C 15. You are feeding 36 pounds per head of corn silage with 33% dry matter to your heifers. How many pounds of dry matter are you feeding to each heifer?  
A. 3      B. 3.6      C. 12      D. 33

D 16. When feeding a high grain ration to cattle, what is the most common problem resulting from increasing the level of grain too rapidly?  
A. Coccidiosis      B. Bloat      C. Rectal prolapse      D. Founder or acidosis

A 17. A shortage of which mineral can lead to hypomagnesemia or "grass tetany?"  
A. Magnesium      B. Selenium      C. Calcium      D. Copper

B 18. What is the recommended minimum scrotal circumference of a bull that is 1 year of age?  
A. 30 millimeters      B. 30 centimeters      C. 30 inches      D. there is no minimum size

C 19. Your 700 pound feeder steer brought \$90/cwt. What was his gross sale price per head?  
A. \$63      B. \$90      C. \$630      D. \$700

B 20. Your calf crop had an average adjusted weaning weight of 600 pounds. Calf # 75 had a weaning weight of 630 pounds. What was his weaning weight ratio?  
A. 100      B. 105      C. 110      D. 130

D 21. Which feed has the highest percent crude protein?  
A. Alfalfa meal      B. Barley      C. Corn      D. Soybean meal

B 22. Which of these factors is most closely related to how quickly a cow has her first heat after calving, and therefore how quickly she may become bred again?  
A. Frame Size      B. Condition Score      C. Amount of Muscle she has      D. Sex of her calf

B 23. In beef carcasses, at what location is the carcass cut to evaluate back fat, ribeye area, and marbling?  
A. Before 10<sup>th</sup> rib      B. Between 12<sup>th</sup> and 13 rib      C. Down the spine      D. After last rib

A 24. When using urea as a protein supplement, which mineral must also be supplemented to provide an important ingredient used by the rumen microbes to make certain amino acids?  
A. Sulfur      B. Copper      C. Selenium      D. Phosphorus

B 25. Your 1200 pound steer has gained 120 pounds in the last 30 days while consuming 720 pounds of feed that cost a total of \$60. What was the steer's average daily gain?  
A. 3      B. 4      C. 6      D. 12