

**PUT YOUR ANSWERS ON THE SCANTRON FORM WITH A NUMBER 2 PENCIL!**

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

2006 State Fair Stockmens Contest - Senior Quiz

- \_\_\_\_\_ 1. Which feed is not a by-product of making human foods?  
a. corn gluten feed      b. soybean meal      c. meat and bone meal      d. corn silage
- \_\_\_\_\_ 2. Which type of lamb will have a higher dressing percentage?  
a. thin, light muscled      b. fat, heavy muscled  
c. full fleece, muddy      d. shorn, lean, and narrow
- \_\_\_\_\_ 3. How much feed would you expect a 240-pound barrow to eat each day?  
a. 2 pounds      b. 6 pounds      c. 10 pounds      d. 14 pounds
- \_\_\_\_\_ 4. Which hormone is responsible for maintaining pregnancy?  
a. estrogen      b. testosterone      c. progesterone      d. follicle stimulating hormone
- \_\_\_\_\_ 5. Which plant is a legume, meaning it can get nitrogen from the air, and does not need any nitrogen fertilizer?  
a. corn      b. orchardgrass      c. bluegrass      d. red clover
- \_\_\_\_\_ 6. How do you tell the difference between first cutting and second cutting orchardgrass hay?  
a. Color of the hay      b. Dustiness      c. Presence of stems and seedheads  
d. Whether it's in a round or a square bale
- \_\_\_\_\_ 7. A beef carcass weighs 740 pounds, has .25 inches of fat, 14.5 square inches of ribeye area, and a marbling score of Traces. For most markets, this carcass is...  
a. too big      b. too fat      c. too light muscled      d. too low in Quality
- \_\_\_\_\_ 8. What is the procedure called where females are treated with a product that makes them all come in heat at the same time?  
a. artificial insemination      b. embryo transfer  
c. estrous synchronization      d. reproductive coordination
- \_\_\_\_\_ 9. What percentage of a calf crop would you expect to have a red hide if the cows were HerefordXAngus crosses (black baldies), and the bull was a Hereford?  
a. None      b. 25%      c. 50%      d. all of them
- \_\_\_\_\_ 10. Which retail cut comes from the inside of the quarter of a steer?  
a. T-bone steak      b. top-round steak      c. sirloin steak      d. round tip steak
- \_\_\_\_\_ 11. A steer is gaining 3.0 pounds per day and is eating 21 pounds of feed per day. The cost of his feed each day is \$1.50. What is the feed cost per pound of gain for this steer?  
a. 50 cents      b. 7.0      c. \$4.50      d. 63 pounds
- \_\_\_\_\_ 12. Which of the following factors will affect the weight of a calf or lamb at weaning time?  
a. sex of the animal      b. age of the animal  
c. age of the mother      d. all of these affect the weight

- \_\_\_\_ 13. Which of the following grows the slowest?  
a. Heifer      b. Steer      c. Bull      d. There's no difference in rate of gain
- \_\_\_\_ 14. Which vitamin requirement is met when sheep, cattle, and horses eat green forage?  
a. Vitamin B12      b. Vitamin A      c. Riboflavin      d. Vitamin C
- \_\_\_\_ 15. What mineral is associated with bone development, is very low in grains, is measured in a ratio with Phosphorous, and is found in ground limestone?  
a. Copper      b. Magnesium      c. Selenium      d. Calcium
- \_\_\_\_ 16. Which type of sheep are likely to experience the most harm from worms?  
a. 1-week old lambs      b. 6-month old lambs on pasture  
c. ewes that are nursing lambs      d. 10-month old lambs in the feedlot
- \_\_\_\_ 17. For which species does Virginia have the largest slaughter plant capacity?  
a. Cattle      b. Sheep      c. Pigs      d. Virginia has no slaughter plants.
- \_\_\_\_ 18. Heritability is the amount of the expression of a trait that is due to genetics. Which of the following types of traits have the highest heritability?  
a. Carcass Traits      b. Growth Traits      c. Reproductive Traits      d. Maternal Traits
- \_\_\_\_ 19. Which of the following products is given to an animal to prevent a disease from occurring?  
a. antibiotic      b. dewormer      c. vaccine      d. implant
- \_\_\_\_ 20. Which breed is noted for having low birth weights, moderate size, lots of muscle, and fairly low marbling scores and milk production?  
a. Angus      b. Simmental      c. Polled Hereford      d. Limousin
- \_\_\_\_ 21. Notches are put in the ears of pigs as a method of identification. Which ear has the notches for the litter number?  
a. Right      b. Left      c. Neither ear has a litter number notch
- \_\_\_\_ 22. Which type of grade or score is associated with mature size of cattle?  
a. Quality Grade      b. Yield Grade      c. Condition Score      d. Frame Score
- \_\_\_\_ 23. Which ewe should have a higher level of milk production?  
a. Ewe nursing a single lamb      b. Ewe nursing twin lambs  
c. Both ewes will produce the same amount of milk.
- \_\_\_\_ 24. What is the widest part of a heavy muscled and lean animal?  
a. Center of the rear end when viewed from behind  
b. Right behind the shoulder  
c. Middle of the back  
d. Right between the ears
- \_\_\_\_ 25. Which feed has the lowest energy (TDN) content?  
a. corn      b. wheat      c. barley      d. oats

- \_\_\_\_\_ 1. Which disease causes animals to become lame and is passed from animal to animal through the soil?  
a. Founder                      b. Foot rot                      c. Arthritis                      d. Interdigital corns
- \_\_\_\_\_ 2. In the commercial industry, the price paid to a producer for a market hog is based on  
a. Live Weight                      b. Carcass Weight                      c. Backfat depth                      d. Both b and c
- \_\_\_\_\_ 3. A legume is a plant that obtains its nitrogen needs from the atmosphere, and therefore does not need any nitrogen fertilizer. Which plant is a legume?  
a. Red Clover                      b. Orchardgrass                      c. Grain sorghum                      d. Tall Fescue
- \_\_\_\_\_ 4. Which disease has interfered greatly with cattle imports from Canada and beef exports from the United States to several other countries?  
a. Anthrax                      b. BSE                      c. Foot and Mouth Disease                      d. Pinkeye
- \_\_\_\_\_ 5. From which part of the live animal do sirloin steaks come from?  
a. Shoulder                      b. Middle of the back                      c. Rump                      d. Quarter
- \_\_\_\_\_ 6. In addition to intramuscular fat and age, which factor is used to determine the Quality Grade of a lamb?  
a. Backfat                      b. Muscling                      c. Weight                      d. Sex of the lamb
- \_\_\_\_\_ 7. If you have a steer carcass that weighs 920 pounds with .40 inch of backfat, a 15 square inch ribeye, and a Quality Grade of Choice minus, what's wrong with it?  
a. Too fat                      b. Too little muscle                      c. Too big                      d. Nothing, everything is OK
- \_\_\_\_\_ 8. What factor determines the accuracy of an EPD value for a bull?  
a. The EPD of his sire                      b. Number of calves he has sired  
c. Breed Average EPD for the trait                      d. What breed he is
- \_\_\_\_\_ 9. What effect will implants such as Synovex and Revalor have on cattle?  
a. Gain faster                      b. Improve feed efficiency                      c. Reduce fatness  
d. All of these
- \_\_\_\_\_ 10. Which type of market animal now sells for the lowest price per pound?  
a. steer                      b. hog                      c. lamb                      d. all are the same
- \_\_\_\_\_ 11. A steer has gained 300 pounds in the last 100 days. He has eaten 20 pounds of feed each day and that feed cost a total of \$1.20 each day. What is the feed cost per pound of gain?  
a. \$1.20                      b. 6 cents                      c. 40 cents                      d. 2.5
- \_\_\_\_\_ 12. What is the term for cutting open the mother and removing the calf through that opening?  
a. Cesarean section                      b. Laparoscopy                      c. Embryo transfer                      d. Ultrasonography
- \_\_\_\_\_ 13. Which feed contains no amino acids but is used to increase the protein content of cattle rations?  
a. Limestone                      b. Urea                      c. Soybean Meal                      d. Milo

- \_\_\_\_\_ 14. If an animal keeps its head down and moves with a short stride off the front end, what is probably wrong with it?  
a. Weak top                      b. Steep rump                      c. Post legged                      d. Straight Shoulder
- \_\_\_\_\_ 15. What grade or score is most closely related to the mature size of an animal?  
a. Quality Grade                      b. Condition Score                      c. Frame Score                      Yield Grade
- \_\_\_\_\_ 16. You see a meat cut with a large round bone in it. What part of the animal did it most likely come from?  
a. neck                      b. shoulder                      c. rib                      d. loin
- \_\_\_\_\_ 17. Which type of cattle are likely to experience the most harm from worms?  
a. 1-week old calves                      b. yearling steers on pasture                      c. cows that are nursing a calf  
d. yearling steers in the feedlot
- \_\_\_\_\_ 18. Which mineral is not found in trace mineral salt?  
a. Calcium                      b. Phosphorous                      c. Magnesium                      d. None of them are in T M Salt
- \_\_\_\_\_ 19. How do you tell the difference between first cutting and second cutting orchardgrass hay?  
a. Color of the hay                      b. Dustiness                      c. Presence of stems and seedheads  
d. Whether it's in a round or a square bale
- \_\_\_\_\_ 20. Which tool may be used to dock tails of lambs?  
a. Emasculator                      b. Emascutome                      c. Elastrator                      d. All of these
- \_\_\_\_\_ 21. Which of the following grows the slowest?  
a. gilt                      b. barrow                      c. boar                      d. There's no difference in rate of gain
- \_\_\_\_\_ 22. In what form is most of the beef consumed in the United States?  
a. steaks                      b. roasts                      c. ground beef                      d. barbecue
- \_\_\_\_\_ 23. If you are feeding a balanced ration but the rate of gain is too slow, which nutrient do you need to increase to get the animal to gain faster?  
a. Energy (TDN)                      b. Protein                      c. Calcium                      d. Vitamin E
- \_\_\_\_\_ 24. Which mineral can be either fed or injected, and a deficiency causes a problem called White Muscle Disease?  
a. Sodium                      b. Calcium                      c. Selenium                      d. Copper
- \_\_\_\_\_ 25. Which grade or score is most closely related to reproductive performance of a cow - especially related to how soon she comes back into heat after calving?  
a. Frame Score                      b. Quality Grade                      c. Condition Score                      d. Yield Grade