**2011 Senior Stockmen’s Quiz**

Put the letter of the most correct answer in the space provided. Be sure you bubble in the correct answer on the scantron form!!!

\_\_\_\_\_ 1. A commercial lamb feeder has asked your advice regarding preventing urinary calculi in his feedlot

lambs. Your recommendations should include:

1. The addition of limestone to increase the Ca:P ratio
2. The addition of ammonium chloride
3. The addition of plain salt to promote greater water intake
4. All of the above

\_\_\_\_\_ 2. When calves are impacted by this disease they are born prematurely and dead (or will die

within 24 hours), they will have a short lower jaw and impacted molars and their long bones are fragile and can be broken with ease. This disease that the Red Angus Association recently came out with a DNA test for is:

* 1. Osteoporosis(OS) b. Neuropathic Hydrocephalus(NH) c. Arthrogryposis Multiplex(AM) d. Brittle Bone

\_\_\_\_\_ 3. Which species is most affected by an incorrect balance of amino acids in a feed?

1. sheep b. cattle c. pigs d. all are negatively affected

\_\_\_\_\_ 4. The heritability of fertility is:

* 1. Low b. Moderate c. High

\_\_\_\_\_ 5. Which grain is highest in fiber content?

1. corn b. wheat c. barley d. oats

\_\_\_\_\_ 6. A 1000 pound steer with a 63% dressing percentage will have a hot carcass weight of:

* + - * 1. 630 pounds b. 63 pounds c. 6300 pounds d. 325 pounds

\_\_\_\_\_ 7. In general, the TDN content of average grass on a dry basis is about \_\_\_\_\_\_.

33% b. 43% c. 53% d. 63%

\_\_\_\_\_\_ 8. Which vitamin requirement is typically met by a healthy functioning rumen and not supplemented?

* 1. Vitamin A b. B Vitamins c. Vitamin D d. Vitamin E

\_\_\_\_\_\_ 9. What is mineral deficiency which can occur on lush, spring with cows in early lactation?

1. Selenium deficiency b. Calcium deficiency c. Protein deficiency d. Magnesium deficiency

\_\_\_\_\_ 10. The phases of the estrous cycle in a ewe are proestrus, estrus, metestrus, and diestrus. Which

phase is a ewe in when she is receptive to a ram?

* + - * 1. Proestrus b. Estrus c. Metestrus d. Diestrus

\_\_\_\_\_ 11. Feeding a large amount of unsaturated fatty acids to which species can cause soft carcass fat

 a. sheep b. swine c. beef d. none of the above, has no effect on fat firmness

\_\_\_\_\_ 12. What is the primary byproduct of high fructose corn syrup production?

* + - * 1. corn gluten feed b. distillers grains c. corn germ meal d. brewers grains

\_\_\_\_\_ 13. If two sheep that have the genotype QR mate what is the chance they will produce a homozygous

scrapie resistant offspring?

* 1. 25% b. 50% c. 75% d. 100%

\_\_\_\_\_ 14. The EPD used in swine to predict the potential growth of their offspring is:

Number Born Alive b. 21-Day Litter Weight c. 250-Day Weight d. Litter Size

\_\_\_\_\_ 15. Feeding a lactating brood cow 60 lbs of corn silage (33% dry matter) would provide \_\_\_\_\_ lbs of dry

matter per day?

 a. 18 b. 20 c. 33 d. 40

\_\_\_\_\_ 16. In swine, the genotype that results in 30-50% PSE, but allows for a greater percentage of lean and

the potential for superior growth is:

* 1. NN b. Nn c. nn d. None of the above

 \_\_\_\_\_ 17. The action of many growth promotants is to increase muscle size. This is done by a process called:

* + - * 1. Hormone b. Hypertrophy c. Hyperplasia d. Maturation

\_\_\_\_\_ 18. You are vaccinating animals with a modified live vaccine. The best handling technique is:

1. Disinfecting the needle between animals
	1. Refrigerating the left-over vaccine to use on the next group tomorrow morning
	2. Keeping the product out of the sunlight, using a tent to shade your area will be sufficient
	3. Keeping the product in a cooler with an ice pack in the shade

\_\_\_\_\_ 19. In order for researchers to produce a clone the following type of cell is isolated:

* + - * 1. Skeletal b. Leydig c. Merocrine d. Somatic

\_\_\_\_\_ 20. When the corpus luteum is at maximum function, it secretes progesterone which prevents the surge

of the hormone that induces ovulation. Name the hormone that is inhibited.

* 1. Estrogen b. Progesterone c. Estradiol d. LH

\_\_\_\_\_ 21. Which mineral can be toxic to sheep, but is often deficient in feeding programs for cattle and goats?

 a. Copper b. Calcium c. Magnesium d. Iron

\_\_\_\_\_ 22. One of the factors impacting yield grade in pork is:

1. Loin-Eye Area b. Muscle Score c. Hot Carcass Weight d. Maturity

\_\_\_\_\_ 23. How do you tell the difference between first cutting and second cutting tall fescue hay?

* + - * 1. color of the hay b. dustiness c. presence of stems and seedheads d. length of leaves

\_\_\_\_\_ 24. The diploid chromosome number in sheep is:

60 b. 54 c. 38 d. 46

\_\_\_\_\_ 25. The part of the intestine where the greatest amount of nutrient absorption occurs is the:

* 1. Duodenum b. Jejunum c. Ileum d. Colon