1. a___ Anemia is a blood condition caused by
   a. low iron    b. low cholesterol    c. low selenium

2. d___ Which breed was developed crossing the Shorthorn and Angus breeds?

3. a___ Which of the following plants is a not cool season grass?
   a. bermudagrass    b. fescue    c. Timothy    d. bluegrass

4. d___ Which feed has the highest level of protein?
   a. corn    b. alfalfa    c. trace mineral salt    d. soybean meal

5. c___ Where do we recommend giving shots to cattle?
   a. deep in the muscle of the hip    b. deep in the muscle of the shoulder
   c. under the skin of the neck    d. anywhere it’s easy

6. a___ Which of these is a USDA Quality Grade for cattle under 24 months of age?
   a. choice    b. 5    c. medium    d. cutter

7. c___ What causes warts?
   a. insect    b. fungus    c. virus

8. d___ If an homozygous black Angus bull is bred to Hereford cow, how many of the calves will have black a black hair coat on their body?
   a. 25%    b. 50%    c. 75%    d. 100%

9. a___ Through which part of the digestive system of a cow does feed pass first?
   a. rumen    b. true stomach    c. small intestine    d. large intestine

10. a___ Feeds low in fiber and high in energy are known as
    a. concentrates    b. supplements    c. Roughages

11. c___ Which feed ingredient is considered protein supplement but contains no protein?
    a. corn    b. feather meal    c. urea    d. soybean meal

(more questions on back)
12. __b__  Brahman and Brahman crosses are important breeds in the Upper Midwest due to their adaptation to the weather conditions in that region.
   a. True       b. False

13. __d__  If a product is to be given topically, where is it given?
   a. under the skin   b. in the skin   c. in the muscle   d. poured on the back

14. __a__  Where is the proper place to give a growth promoting implant?
   a. under the skin of the ear
   b. under the skin of the neck
   c. under the skin along the ribs
   d. under the skin of the tail

15. __b__  If first calf heifers are to calve at 24 months of age and weigh 1200 pounds, at what weight and age should they be bred?
   a. 600 lbs and 17 months  b. 800 lbs and 15 months
   c. 1,000 lbs and 15 months  d. 1,000 lbs and 17 months