1. True or False An EPD in cattle is used to describe how the offspring will perform in relation to the average performance of others in a different breed.
   1. True
   2. False
2. What is it called when an animal destined for slaughter can have their behavior altered by an injection of male hormones?
   1. Hormone altering c. Androgenizing
   2. Behavioral engineering d. Behavioral analysis
3. What is the “true” stomach in a ruminant animal?
   1. Rumen c. Reticulum
   2. Abomasum d. Omasum
4. What two FAMACHA scores reflect little or no anemic conditions in sheep?
   1. 1 and 2 c. 3 and 5
   2. 2 and 4 d. 4 and 5
5. When should body condition scoring in sheep be done?
   1. 1-3 weeks before lambing c. 7-9 weeks before lambing
   2. 4-6 weeks before lambing d. Before the Ewe becomes pregnant
6. Absorption of nutrients in a ruminant animal occurs mainly in the .
   1. Rumen c. Small Intestine
   2. Omasum d. Cecum
7. Which of the following feedstuff has the lowest amount of fiber?
   1. Wheat c. Oats
   2. Barely d. Sudangrass
8. Atrophic rhinitis causes inflammation to occur in what part of the pig?
   1. Brain c. Intestine
   2. Stomach d. Nose
9. What part of a pig’s brain secretes oxytocin?
   1. Pituitary glands c. Neuronal Posterior lobe
   2. Hypothalamus d. Occipital Lobe
10. What part of the pig’s female reproduction tract regulates movement of sperm into the oviduct?
    1. Ampulla c. Urethra
    2. Isthmus d. Uterotubal junction
11. What is the most common myotoxin found in moldy cereal grain and seed legumes?
    1. Alfotoxin c. Citrinin
    2. Fumonsin d. Ochratoxin
12. How two traits or values vary together in a population is:
    1. Heritability c. Coefficient of variation
    2. Repeatability d. Covariation
13. Yield grade can be determined by the amount of fat measured in tenths of an inch over the ribeye muscle, also called the:
    1. Semimemebranosus c. Psoas Major
    2. Longissimus dorsi d. Semitendinous
14. What primal cut of beef does a porterhouse steak come from?
    1. Rib c. Loin
    2. Sirloin d. Round
15. How many chromosomes does a sheep have?
    1. 54 c. 46
    2. 27 d. 23
16. Which of these breeds of sheep would have the finest wool (smallest diameter)?
    1. Merino c. Shorpshire
    2. Brillenschaf d. Katahdin
17. What are the symptoms of clostridial disease?
    1. Swelling caused by gas bubbles c. High body temperature
    2. Crackling sensation under the skin d. All of the Above
18. What two vitamins are produced in the rumen due to ruminal bacteria?
    1. Vitamin C and B c. Vitamins C and D
    2. Vitamins B and K d. Vitamins E and K
19. What is NOT a common Non-protein nitrogen (NPN) source?
    1. Biuret c. Urea
    2. Ammonium bicarbonate d. Bamara
20. In a cow, approximately what day of estrus does the corpus luteum grow in size and in function?
    1. 1-2 c. 16-18
    2. 2-5 d. 18-20
21. You want to raise pigs to sell pork at the local farmers market. Which of these breeds would give you the best meat quality?
    1. Landrace c. Hampshire
    2. Berkshire d. Tamworth
22. Boston Butt comes from what part of the pork carcass?
    1. Loin c. Shoulder
    2. Ham d. leg
23. True or False Cattle can often become bloated from the feed they are fed. A trocar is used to release the gas when inserted in the right side of the animal.
    1. True
    2. False
24. In January, a harvest facility in Plainview, Texas closed. What species did this plant harvest?
    1. Beef c. Pork
    2. Lamb d. Poultry
25. What is the correct ear notch number for the pig shown below?
    1. 38-4 c. 12-39
    2. 4-38 d. 39-12

