1. True or FalseAn 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 FalseCattle 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 c. 39-12

