**WRITE THE LETTER OF THE CORRECT ANSWER ON THE LINE!!**

 1. What gauge is the biggest in diameter?

a. 16 c. 20

b. 18 d. 22

 2. Where is the best place to inject cattle?

a. Side of the Round c. Back of the Leg

b. Side of the Neck d. Top of the Back

 3. The eye loop of a halter is on what part of the calf’s head?

a. Left c. Right

b. Top d. Any place is fine

 4. Which is the most abundant organic acid produced during quality silage fermentation?

a. Propionic Acid c. Acetic Acid

b. Lactic Acid d. Butyric Acid

 5. What is the middle joint of the rear leg of a calf called?

a. Knee c. Shank

b. Ankle d. Hock

 6. What cattle breed is the largest cattle breed in the world that was developed as a draft animal?

a. Piedmontese c. Brahman

b. Bonsmara d. Charolais

 7. What is the chest of the calf called?

a. Chest c. Brisket

b. Breast d. Front

 8. Excess energy is stored as:

a. Carbohydrates c. Water

b. Protein d. Fat

 9. What is a sterile bovine female called?

a. Freemartin c. Infertile

1. Sterilette d. None of the Above

 10. What is another name for yield grade?

a. Quality c. Percent grade

b. Cutability d. Quantity

 11. True or False: Beta cells produce insulin, alpha cells produce glucagon.

 A. True

 B. False

 12. What whole sale cut does the retail cut skirt steak come from?

a. Ribs c. Sirloin

b. Short Plate d. Chuck

 13. Which compartment of the stomach is like a honeycomb?

a. Rumen c. Omasum

b. Reticulum d. Abomasum

 14. Which of the following is NOT a British breed?

a. Angus c. Simmental

b. Shorthorn d. Hereford

 15. What hormone surges directly prior to ovulation in cattle?

a. Prolactin c. Progesterone

b. Prostaglandin d. Luteinizing Hormone

 16. What is an advantage of crossbreeding?

a. Breed complementation c. A and B

 b. Heterosis d. None of the Above

 17. Magnesium deficiency in grazing cattle is known as what?

 a. Grass Tetany c. Acidosis

 b. Groiter d. Ketosis

 18. Total Digestible Nutrients (TDN) is used to represent the amount of \_\_\_\_\_\_\_\_\_\_\_ in a feed?

a. Protein c. Lipids

b. Feed intake d. Energy

 19. What gland is the Basal Metabolic Rate (BMR) controlled by?

a. Lymphoid gland c. Pituitary gland

 b. Thyroid gland d. Thymus

 20. What is the feed that cattle regurgitate for further chewing called?

a. Cud c. Grass

b. Hay d. Seed

 21. If an animal has no horns it is called what?

a. Hornless c. Non-polled

b. Polled d. None of the Above

 22. The process of giving birth or calving is?

a. Parturition c. Oxytocin

b. Prutrition d. Prolactin

 22. What is the general name for the family grouping of cattle.

a. Ovine c. Avian

b. Porcine d. Bovine

 24. Which part of the stomach is known as the “True stomach”?

a. Rumen c. Abomasum

b. Reticulum d. Omasum

 25. What is the first thing to look when evaluating a breeding heifer?

a. Muscle c. Fat/Width

b. Structural Correctness d. Finish