

2015 HJLS Commercial Heifer Test

Name: _____

1. A Body Condition Score 5.0 cow will have approximately _____ inches of fat over the 13th rib.
 - a. .05 - .10
 - b. .25 - .34
 - c. .40 - .50
 - d. .15 - .24

2. Cattle infected with grubs should be treated in the spring time of the year.
 - a. TRUE
 - b. FALSE

3. EPD's are a measure of the Expected Progeny Difference between the progeny of two bulls. If Bull A has a Yearling Weight EPD = +107 and Bull B has a Yearling Weight EPD = +76, then what is the expected difference in yearling weight of the progeny of the bulls?
 - a. Bull A calves will be 31 lbs. lighter
 - b. Bull A calves will be 15.5 lbs. heavier
 - c. Bull B calves will be 31 lbs. lighter
 - d. Bull B calves will be 76 lbs. heavier

4. _____ is the measure of confidence that the EPD is the true breeding value.
 - a. Heritability
 - b. Estimated Breeding Value
 - c. Breeding Coefficient
 - d. Accuracy

5. Which condition below is transmitted through the air, highly contagious, and most common in the fall and winter time of the year?
 - a. Infectious keratoconjunctivitis
 - b. Dermatophytosis
 - c. Infectious bovine rhinotracheitis
 - d. Papillomatosis

6. Modified Live Vaccines should be mixed _____ prior to use.
- 75 minutes
 - 45 minutes
 - 60 minutes
 - None of the above
7. Circle the answer below that reduces the effectiveness of a vaccine.
- Proper syringe sterilization
 - Refrigerated Storage
 - Ultraviolet light
 - Needle Size
8. Horn flies typically feed on cattle hosts _____ times per day.
- 5 – 15
 - 10 – 20
 - 50 – 60
 - 30 – 40
9. For brood cows to maintain a 12 month calving interval, the cow must breed back _____ days after calving.
- 70 – 80
 - 90 – 190
 - 110 – 120
 - None of the above
10. Circle the feed ingredient below most commonly used as a protein source in feed rations.
- Soybean hulls
 - Cottonseed meal
 - Alfalfa meal
 - Rice bran
11. Which factor below does not influence carcass cutability?
- Backfat
 - Muscling
 - Marbling
 - Kidney, pelvic, & heart fat

12. In bulls, trichomoniasis may be treated by sexual inactivity for 120 to 150 days.
- TRUE
 - FALSE
13. Continuous feed syringes may be lubricated using products like silicone or mineral oil for easier application of the vaccine.
- TRUE
 - FALSE
14. Which breeding system is utilized to produce calves strictly to sell at weaning or yearling and replacements heifers are purchased from outside the herd?
- Continuous
 - Straight Line
 - Terminal
 - Rotational
15. Leptospirosis and vibriosis are viral diseases that can be prevented through vaccination.
- TRUE
 - FALSE
16. Thin cows needing to increase body condition should be fed supplements high in protein, medium in energy, and contain vitamins and minerals.
- TRUE
 - FALSE
17. Ribeye area is measured in square inches between the 11th and 12th rib.
- TRUE
 - FALSE
18. The withdrawal period for harvest for Cydectin Pour-On is _____.
- 48 days
 - 45 days
 - 21 days
 - 0 days

19. The bile duct is where the adult liver fluke is found in beef cattle.

- a. TRUE
- b. FALSE

20. Feed supplementation programs for brood cows depend upon which of the following factors?

- a. Forage Quality
- b. Forage Quantity
- c. Physiological State
- d. Body Condition Score
- e. All of the Above
- f. None of the Above

21. Prior to breeding, virgin heifers should reach _____ of body weight prior to first breeding.

- a. 30%
- b. 50%
- c. 65%
- d. 85%

22. _____ is the condition causing staggers and convulsions in thin cows grazing lush forages high in nitrogen and potassium.

- a. Polio
- b. Founder
- c. Grass Tetany
- d. Nitrate Poisoning

23. Abnormal presentation is the most common cause of dystocia in cattle.

- a. TRUE
- b. FALSE

24. The treatment threshold for horn flies in beef cattle is _____ flies/side.

- a. 50
- b. 250
- c. 100
- d. 500

25. Research validates that brood cows in a Body Condition Score of 4 or less will result in a pregnancy rate of _____.

- a. <60% pregnant
- b. 75 – 85% pregnant
- c. 90 – 100% pregnant
- d. None of the above

26. Bos Taurus cattle in the U.S. mainly originated from the _____ and _____.

- a. British Isles/Western Europe
- b. China/Western Europe
- c. Australia/Japan
- d. Mexico/South America

27. Calculate the Net Calf Value given the information below on a calf sold at public auction.

Calf Weight – 827 lbs.

Sale Price -- \$1.96/lbs.

Yardage -- \$3.00

Beef Checkoff -- \$2.00

Commission – 4%