

NAME: _____

STATE: _____

Intermediate Cattlemen's Quiz: Version A

For Questions 1-7 use the following scenario

You have a group of steers that have just been weaned. You will background them for 42 days, at which time they will be sold. Your system is to utilize pasture plus a grain mix fed at the rate of $\frac{1}{2}\%$ of body weight per day.

1. If the average weight is 540 pounds, how much grain is fed to each steer for the entire 42 days?
 - a. 12.8 lbs
 - b. 113.4 lbs
 - c. 126.8 lbs
 - d. 6480 lbs
2. Your records indicate that the rate of gain on this backgrounding program is 3.0 pounds per day. How heavy will the average steer be after the 42 days?
 - a. 549.2 lbs
 - b. 649.2 lbs
 - c. 666 lbs
 - d. 872 lbs
3. The grain mix costs \$180 per ton, the pasture cost is 15 cents per head per day, and the total cost of all implants, dewormer, and vaccines is \$13 per head. What is the total cost for the 42-day backgrounding program per head?
 - a. 25.51
 - b. 29.51
 - c. 32.68
 - d. 47.59
4. Your neighbor does custom backgrounding. His program utilizes a total mixed ration with no pasture. Historical gains are 4.0 pounds per day. How many additional pounds does your neighbor put on one steer over the 42-day period compared to your pasture plus grain program?
 - a. 33.6 lbs
 - b. 42.0 lbs
 - c. 52.5 lbs
 - d. 60.2 lbs

5. Freshly weaned steers weighing 540 pounds have sold for \$1.28 per pound. Steers backgrounded as described above weighing 650 to 700 pounds have been sold for \$1.25 per pound. How much additional income is produced from the backgrounding program per head for a steer sold at 670 pounds?
 - a. \$146.30
 - b. \$226.40
 - c. \$691.20
 - d. \$837.50
6. Historically you have had some trouble with coccidiosis in backgrounded cattle. Cattle managed by your neighbor are fed Rumensin in the ration to help this problem. If his ration includes Rumensin at 30 grams per ton, and each calf eats 15 pounds of feed per day, what is the daily intake of Rumensin by one calf? (Answer in mg / hd / day)
 - a. 115
 - b. 225
 - c. 345
 - d. 455
7. There are buyers for naturally-raised cattle. To qualify the cattle cannot have been treated with antibiotics nor can implants be used. Your neighbor's records indicate that cattle not implanted in his program gain 3.0 pounds per day. How much less will the non-implanted steers weigh at the end of the 42-day backgrounding period?
 - a. 12.8
 - b. 24
 - c. 32.6
 - d. 42
8. What is the last thing that happens as a part of normal parturition?
 - a. Presentation of calf's feet
 - b. Expulsion of placenta
 - c. Water breaking
 - d. Expulsion of calf
9. A cow is suffering from grass tetany. The veterinarian treats her with a bottle of liquid administered intravenously. What's in that bottle that saves the cow?
 - a. Magnesium
 - b. Calcium
 - c. Epinephrine
 - d. Clostridium
10. Beef packers who own cattle for more than ten days prior to harvest must pay the \$1/head check off.
 - a. True
 - b. False

11. Which type of internal parasite is not controlled with dewormers?
 - a. Roundworms
 - b. Lungworms
 - c. Coccidia
 - d. Tapeworms
12. What is mineral deficiency which can occur on lush, spring grass with cows in early lactation?
 - a. Selenium deficiency
 - b. Calcium deficiency
 - c. Protein deficiency
 - d. Magnesium deficiency
13. Which part of the reproductive tract of a cow is a barrier to infections and foreign material?
 - a. Uterus
 - b. Cervix
 - c. Ovary
 - d. Uterine horns
14. Which of the following herd are participants in the ASA Carcass Merit Program?
 - a. Stuart Land and Cattle, Rosedale, VA
 - b. Peterson Ranch, Judith Gap, MT
 - c. The Wang Ranch, Wibaux, MT
 - d. All of the above
15. Which of these people is the head of PETA?
 - a. Ingrid Newkirk
 - b. Wayne Pacelle
 - c. Tom Vilsack
 - d. Bob McDonnell
16. What is the year-letter designation for 2011?
 - a. U
 - b. X
 - c. Y
 - d. Z
17. How many pairs of chromosomes do cattle have?
 - a. 12
 - b. 24
 - c. 30
 - d. 32
18. Which of the following is NOT recommended to avoid the transmission of Trichomoniasis?
 - a. Rest young bulls for three months prior to reuse.
 - b. Be sure that only positive bulls are used as breeding bulls
 - c. Use only virgin bulls to breed to heifers
 - d. Keep virgin bulls separate from all other bulls
19. Ionophores are fed to cattle to...
 - a. Increase feed efficiency
 - b. Prevent infection
 - c. Prevent heifers from coming in heat
 - d. Decrease feed efficiency

20. Fat steers grazed on pasture can develop fat with a yellow tinge to it due to what compound?
- Parasites
 - Chlorophyll
 - Vitamin A
 - Carotene
21. How does the fat content of beef today differ from ten years ago?
- Leaner
 - Higher in fat
 - Same
22. True/False: A cow with a body condition score 1 would be considered very fat
- True
 - False
23. Which disease is primarily transmitted by mosquitoes?
- Anthrax
 - Blackleg
 - Trichinosis
 - Anaplasmosis
24. To ensure high pregnancy rates the lowest body condition score a cow should have is?
- 1
 - 3
 - 5
 - 7
25. Which of these factors affect birth weight
- Sex of the calf
 - Nutrition level of the cow during pregnancy
 - Genetic influence
 - All of the above
26. Which compartments of a ruminant's stomach is known for honey-comb like walls?
- Rumen
 - Reticulum
 - Omasum
 - Abomasum
27. U.S. cattlemen produce ____% of the world's beef with only 7% of the world's cattle.
- 7%
 - 10%
 - 20%
 - 35%
28. Ring worm is a contagious disease
- True
 - False
29. Where the fetus develops during pregnancy is called the
- Uterus
 - Ovary
 - Cervix
 - Oviduct

30. Which of these plants is able to produce prussic acid, a compound that can kill animals that consume it?
- Sudan Grass
 - Tall Fescue
 - Wild Cherry Tree
 - Both A and C
31. Which of these groups does not support animal agriculture?
- Humane Society of the United States
 - The National Cattlemen's Beef Association
 - The American Farmers Union
 - The Animal Agriculture Alliance

For Questions 31-37 please refer to page 46 in your sire summary

- DS Six Shooter 3H
- Ellingson Legacy M229
- ES Dakota Blizzard SL71
- ESN5303

32. Which bull's daughters are expected to wean the heaviest calves?
33. Which bull would you expect to sire the smallest ribeyes?
34. True or false. Two or more of these bulls are related.
- True
 - False
35. Which of these bulls should sire the heaviest calves at birth?
36. Which of these bulls should sire the lightest calves at 205 days?
37. Which of these bulls would be least suited for use on the entire cow herd (bred both to Angus first-calf heifers and mature cows) with the portion of their daughters required to maintain herd size retained and the remaining heifers and steers put on feed and sold grade and yield?
38. Which of these bulls direct EPDs have the highest accuracy?
39. Stayability refers to the percentage of a bull's daughters that you might expect to remain in production at _____ years of age compared to the percentage producing sired by another bull.
- 3
 - 6
 - 8
 - 10
40. True or False. *Bos Taurus* cows have greater maternal calving ease capabilities than *Bos Indicus* cows.
- True
 - False

41. _____ time is the amount of time required for the medication to be metabolized, or broken down, by the animal's body
- Immunity
 - Withdraw
 - Withholding
 - Deactivation
42. *The Register* featured an article on Simmental cattle playing a significant role in the expanding _____ cattle industry.
- Japanese
 - Chinese
 - Australian
 - Peruvian
43. A steer carcass is 780 pounds with 0.45 inch of back fat, a 10.0 square inch ribeye and a quality grade of average choice? This carcass is....
- Too fat
 - Heavy muscled
 - Too light muscled
 - Just right
44. True/False: ASA is now testing for Contractual Arachnodactyly, CA.
- True
 - False
45. What is a problem resulting from well-fertilized corn or grass during drought conditions? This problem can kill livestock if they eat silage or hay from these crops.
- Magnesium deficiency
 - Selenium deficiency
 - Nitrate toxicity
 - Iron toxicity
46. What is the name of the bone(s) found in a chuck roast?
- Leg bone
 - Breast and shank bone
 - Blade and arm bone
 - Back bone
47. The 2012 National Classic will be held in
- Montana
 - Nebraska
 - Missouri
 - Ohio
48. Why would you karotype a bull?
- To test for the polled gene
 - To test for chromosomal translocation
 - To test for correct parentage
 - None of the above

49. If you get a 66% conception rate on artificial insemination, what portion of the herd is pregnant to AI after two heat cycles of AI breeding?
- a. 75%
 - b. 88%
 - c. 93%
 - d. 95%
50. If a cow has shown no outward signs of heat in 3 months, and she has not been bred, then she is probably exhibiting signs of
- a. Estrus
 - b. Johnes Disease
 - c. Anestrus
 - d. Dystocia