

## 2006 AJSA Regional Classic Junior Cattlemen's Quiz B

Choose the best answer to the following questions.

1. True or False. An F2 is a second generation cross of two F1 parents.
  - a. True
  - b. False
  
2. BF and MRB EPDs are \_\_\_ traits.
  - a. Maternal
  - b. Carcass
  - c. Direct
  - d. \$ Index
  
3. The lowest STAY EPD among Simmental sires evaluated in the 2006 spring sire summary is \_\_\_?
  - a. 49.4
  - b. 30.2
  - c. -5.0
  - d. None of the above
  
4. True or False. A LimFleck is a cross between a Limousin and an Angus or Red Angus.
  - a. True
  - b. False
  
5. What age requirement is in place for a slaughter animal to be considered veal?
  - a. Under 6 months
  - b. 6-12 months
  - c. 12-24 months
  - d. Over 24 months
  
6. \_\_\_\_\_ is a lowly heritable trait and thus is highly affected by environmental factors.
  - a. Growth
  - b. Carcass
  - c. Reproduction
  - d. Color
  
7. The Warner-Bratzler Shear Force EPD is a genetic predictor of \_\_\_\_\_?
  - a. Marbling
  - b. Yield Grade
  - c. Maturity
  - d. None of the above
  
8. True or False. Cattle are polyestrous.
  - a. True
  - b. False

9. Which of the following is considered a concentrate feedstuff?
- a. Corn
  - b. Milo
  - c. Barley
  - d. All of the above
10. The average YW EPD for 2006 spring active sires is 56.9. If a bull has an YW EPD of 86.9, how many pounds above an average sires calves would you expect his calves to weigh as yearlings?
- a. 30 lbs
  - b. 100 lbs
  - c. 300 lbs
  - d. None

**Questions 11-16 use sires found on page 78**

- a. BONINA STARLESS KNIGHT**
- b. HR POWER HOUSE 1**
- c. LMC AUTHORITY 5L/100**
- d. LMC BLACK MARBLE 3K/201**

11. Which sire's daughters should wean the heaviest calves?
12. What bull would offer the most growth to an operation?
13. Between the two purebred Simbrah bulls, which would be a better selection for an all-purpose sire?
14. Which sire would be the least likely to increase ribeye area?
15. Which sire's progeny should have the heaviest carcass weights?
16. If the Milk EPD for HR POWER HOUSE 1 was changed to +15.0, what would his new MWW EPD be?
- a. 15.0
  - b. 35.0
  - c. 50.2
  - d. 62.3
17. Who supplies most of the genetics for commercial producers to use?
- a. Stocker operations
  - b. Security Provider
  - c. Seedstock producers
  - d. None of the above
18. What of the following strain of Simmental is originally French?
- a. Pie Rouge
  - b. Montbeliarde
  - c. Abondance
  - d. All of the above

19. True or False. Herefords are known among beef breeds for their high milk production levels.
- True
  - False
20. Which of the following factors are not used to calculate numerical yield grade?
- Maturity
  - Sex
  - Breed
  - None of the above are used
21. What is the rapid weight gain of cattle that is often observed following a period of nutritional deprivation?
- No gain
  - Compensatory gain
  - Average daily gain
  - None of the above
22. What is the lowest body condition score a cow can receive?
- 1
  - 3
  - 5
  - 9
23. Ruminants can convert \_\_\_\_\_ to vitamin A.
- Thiamin
  - Phosphate
  - Sulfur
  - Carotene
24. True or False. Chianina is considered to have the smallest mature frame size of any breed of beef cattle.
- True
  - False
25. Which of the following is not a part of the female reproductive tract?
- Epididymis
  - Cervix
  - Ovary
  - Fallopian tubes
26. If a producer retains ownership through a commercial feed lot and sells all progeny on a carcass value based grid, which of the following EPDs should help maximize profits?
- BW
  - WW
  - BF
  - TI

27. How many USDA Yield Grades are there?

- a. 1
- b. 3
- c. 5
- d. 8

28. For a sire to qualify as a trait leader, they must rank among the top \_\_\_ percent of active sires and have accuracy higher than .60.

- a. 5
- b. 15
- c. 25
- d. None of the above

**Use the following breeds to answer question 29-33**

- a. Angus**
- b. Braham**
- c. Simmental**
- d. Maine Anjou**

29. Which is a base breed for of all the American breeds?

30. What breed is known for their resistance to many insects and parasites?

31. Which breed registers the most numbers of cattle per year in the US?

32. Which is a *bos indicus* breed?

33. SimAngus is to Simmental as MaineTainer is to \_\_\_\_\_.

34. What of the following allows a producer to receive a large number of progeny from a superb female over a relatively short period of time?

- a. Embryo Transfer
- b. Artificial Insemination
- c. Natural service
- d. None of the above

35 Which is not used to calculate frame score?

- a. Age
- b. Hip height
- c. Breed
- d. None of the above are used

36. What EPD predicts the percentage of a bull's daughters that remain in the cowherd at 6 years of age?

- a. API
- b. WBSF
- c. STAY
- d. MCE

37. True or False. BF EPD is expressed in inches of backfat

- a. True
- b. False

**Questions 38-42 use the following bulls found on page 65**

- a. OSC MR BREAK**
- b. PCC NIGHT MOVES H10**
- c. PPSR NOPHALT 20H**
- d. PPSR PHALTLESS 12L**

38. Which bull should have the highest percentage of unassisted births?

39. Which bull should sire progeny with the heaviest hot carcass weights?

40. Which bull is not Karyotyped?

41. According to the EPDs, which bull should not be bred to virgin heifers?

42. Between the two low growth bulls, which bull's daughters should offer the most longevity?

43. What is the lowest BW EPD published for a Simmental sire in the spring 2006 sire summary?

- a. 2.4
- b. -7.8
- c. -29.4
- d. 0.0

44. True or False. Puberty is the age at which the reproductive organs become functionally operative and secondary sex characteristics begin to develop.

- a. True
- b. False

45. Because of their \_\_\_\_\_, cattle can better digest cellulose than monogastric animals.

- a. High number of teeth
- b. Rumen microbes
- c. Small intestines
- d. None of the above

46. A purebred Simmental cow is heterozygous polled; she is then bred to a homozygous polled bull. What possibility is of a horned calf?
- a. 50%
  - b. 75%
  - c. 100%
  - d. No chance
47. True or False. The sire determines the sex of the calf.
- a. True
  - b. False
48. What are the facilities called that harvest and process cattle?
- a. Feedlot
  - b. Packing plant
  - c. Steakhouse
  - d. Both B and C
49. For what reason might a bull published in the sire summary not have a CE or MCE EPD?
- a. Too young
  - b. Too old
  - c. Not enough data
  - d. Registered as a composite
50. How many upper teeth would you expect a 5-year-old cow to have?
- a. 3
  - b. 4
  - c. 5
  - d. None