

2010 Junior Cattlemen's Quiz

1. What is the scientific class name for cattle?
 - A. Ovine
 - B. Procine
 - C. Bovine
 - D. Equine
2. Beef cattle born without horns are commonly referred to as?
 - A. hornless
 - B. polled
 - C. scurred
 - D. bald
3. Which state produces the most beef cattle?
 - A. Kentucky
 - B. Texas
 - C. Nebraska
 - D. California
4. The first American breed of beef cattle was the?
 - A. Santa Gertrudis
 - B. Texas Longhorn
 - C. Polled Hereford
 - D. Angus
5. Beef cattle categorized as American breeds have what breed as a genetic base?
 - A. Brahman
 - B. Shorthorn
 - C. Hereford
 - D. Angus
6. Which of the following breeds of cattle is NOT primarily white to gray in color?
 - A. Charolais
 - B. Chianina
 - C. Limousin
 - D. White Park
7. Feedstuffs such as hay and silage are classified as:
 - A. proteins
 - B. concentrates
 - C. roughages
 - D. minerals

8. Rations formulated to keep an animal at its current weight and size is a _____ ration.
- A. weaning
 - B. gestation
 - C. maintenance
 - D. finishing
9. Calves younger than 3 months of age sold for slaughter are:
- A. veal
 - B. baby beef
 - C. kids
 - D. cabritos
10. The average feed conversion ratio for beef cattle on full feed is:
- A. 6:1-7:1
 - B. 3:1-4:1
 - C. 10:1-12:1
 - D. 2:1-3:1
11. The first milk produced by a cow after giving birth is known as:
- A. buttermilk
 - B. lactose
 - C. colostrums
 - D. lecithin
12. The removal of the testicles from a male animal is:
- A. vaccination
 - B. dehorning
 - C. insemination
 - D. castration
13. An animal that has extremely straight hind legs is best described as being:
- A. cow-hocked
 - B. sickle-hocked
 - C. sound
 - D. post-legged
14. The male bovine of any age that has not been castrated.
- A. Steer
 - B. Buck
 - C. Bull
 - D. Boar
15. Estrus in cattle usually occurs every:
- A. 12 days
 - B. 21 days
 - C. 30 days
 - D. 60 days

16. EPD stands for:

- A. expected product differential
 - B. express package delivery
 - C. extra production difference
 - D. expected progeny difference
17. A method of animal identification that is a puncture in the skin of numbers or letters is known as:
- A. freeze brand
 - B. hot brand
 - C. eartag
 - D. tattoo
18. The average daily gain for growing cattle on full feed.
- A. 1 lb/day
 - B. 3 lb/day
 - C. 5 lb/day
 - D. 10 lb/day
19. Cattle both have multiple stomachs referred to as a(n):
- A. ruminant
 - B. intestine
 - C. colon
 - D. omasum
20. Which country accounts for the highest percent of the world cattle population?
- A. India
 - B. USA
 - C. Russia
 - D. Australia
21. What is the process of eliminating non-productive/undesirable animals?
- A. Culling
 - B. Sorting
 - C. Reducing
 - D. Shipping
22. What is the first cross of two unrelated purebreds called?
- A. F1 Cross
 - B. Crossbred
 - C. Hybrid Vigor
 - D. F2 Cross
23. Which of the following is a method of categorizing breeding animals by their degree of body reserves?
- A. Yield grade
 - B. Body condition scoring
 - C. Backfat measurement
 - D. Cow performance
24. According to BQA recommendations, an injection that is to be administered IM

might be correctly given where?

- A. Under the skin of the neck
- B. In the fleshy part of the hip
- C. In the rear of the thigh
- D. None of the above

25. In general, Simbrah heifers reach puberty at an older age than Simmental Heifers.

- A. True
- B. False

26. When a $\frac{3}{4}$ Simmental, $\frac{1}{4}$ Brahman is mated to a Purebred Simbrah what is the resulting offspring?

- A. Purebred Simbrah
- B. $\frac{11}{16}$ Simmental x $\frac{5}{16}$ Brahman
- C. American Breed Composites
- D. All of the above

27. To prevent infections, a newborn calf should have its navel dipped in what solution?

- A. Sucrose
- B. Saline
- C. Iodine
- D. Copper

28. When a judge uses the phrase "hooks to pins", he or she is referring to which area on a calf?

- A. The shoulder
- B. The rump
- C. The neck
- D. The head

29. Which of the condition scores would be given to the fleshier cow?

- A. 8
- B. 3
- C. 1
- D. 5

30. A heifer is sterile and was born as the twin of a bull is known by what term?

- A. Freemartin
- B. Recip
- C. Gomer
- D. Steer

31. What is the year-letter designation for 2010?

- A. X
- B. U
- C. V
- D. W

32. Which brand location is most detrimental to the value of a beef hide for leather

production?

- A. Hip brand
 - B. Shoulder brand
 - C. Jaw brand
 - D. Rib brand
33. A purebred Simbrah is _____.
- A. $\frac{1}{2}$ Simmental and $\frac{1}{2}$ Brahman
 - B. $\frac{5}{8}$ Simmental and $\frac{3}{8}$ Brahman
 - C. $\frac{3}{4}$ Simmental and $\frac{1}{4}$ Brahman
 - D. None of the above
34. Stayability EPD 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.
- A. 3
 - B. 6
 - C. 8
 - D. 10
35. What is the common name for the placenta that is expelled after a calf is born?
- A. Colostrum
 - B. Cud
 - C. Afterbirth
 - D. A calf

Use the following bulls, on page 87, to answer questions 36-45.

- A. PRR Scout 002N
- B. NF Smith Sargeant
- C. PRR Excellence 446P
- D. Pedro

36. Which bull has blood type on file?
37. Which bull is in the top 1% of the breed for Birth Weight?
38. Which bull is absolutely not Homozygous Polled?
39. Which bull's daughters should wean the highest calves?
40. Which bull's calves should have the relatively largest ribeye areas?
41. In an All Purpose or Terminal situation, which bull should have the most value over 10 years?
42. Which bull should sire calves with the lightest carcass weight?
43. Which bull has the maternal grandsire ISB Mr X108X?
44. Which bull is scurred?
45. Out of the two youngest bulls, which bull offers the most value as a terminal sire?

Use the following picture to answer questions 46 – 50:

- 46. A. Tailhead
B. Crest
C. Poll
D. Flank

- 47. A. Flank
B. Brisket
C. Pins
D. Throat latch

- 48. A. Brisket
B. Navel/Sheath
C. Rectum
D. Hock

- 49. A. Hock
B. Stifle
C. Pastern
D. Knee

- 50. A. Hock
B. Stifle
C. Pastern
D. Knee

Questions 51-60 will be the tie breaker questions.

51. If a homozygous polled bull is mated to a group of horned cows, what percentage of their offspring would you expect to be polled?

- A. 0%
- B. 100%
- C. 50%
- D. 75%

52. What three factors are used to calculate frame score?

- A. Age, Sex and Weight
- B. Age, Sex and Hip Height
- C. Age, Weight and Hip Height
- D. Weight, Hip Height and sex

53. Bull A has a WW EPD of 28; bull B has a WW EPD of 18. How much lighter would we expect bull B's calves to weigh at weaning compared to bull A's calves?

- A. 15 lbs
- B. 20 lbs
- C. 10 lbs
- D. None of the above

54. Which two minerals are most critical for proper bone and tooth formation?

- A. Phosphorous and Iron
- B. Calcium and Phosphorous
- C. Calcium and Iron
- D. None of the above

55. What is the estimated percent of her mature weight a virgin heifer should attain before she is bred?

- A. 65 to 70 percent
- B. 45 to 50 percent
- C. 35 to 40 percent
- D. 85 to 90 percent

56. What is the earliest date that an experienced palpator might be able to detect pregnancy?

- A. 60 days
- B. 30 days
- C. 45 days
- D. 90 days

57. Which of the following USDA quality grades indicates the greatest palatability?

- A. Utility
- B. Cutter
- C. Standard
- D. Prime

58. In order for a Simbrah bull to rank in the top 10% of the breed for Weaning Weight, he must have an EPD of at least:

- A. 22.1
- B. 62.4
- C. 39.6
- D. 35.2

59. What does the acronym, "THE", stand for?

- A. Total Health Enrollment
- B. Total Herd Enrollment
- C. Together Herds Evolve
- D. Together Health Involvement

60. In general, a cow should be artificially inseminated _____ hours after the first signs of standing heat.

- A. 4 to 8
- B. 32 to 48
- C. 12 to 15
- D. 72