

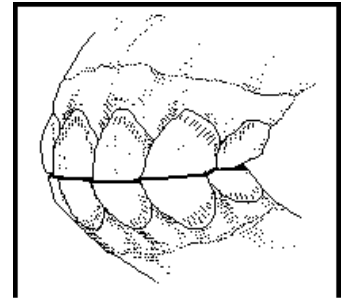
## 2017 Pennsylvania FFA State Horse Evaluation CDE Exam

**Directions:** Read each question carefully, select correct answer and mark clearly on your answer sheet.

- Which of the following are all high protein hay stuffs?
  - Fescue, clover, rye, soybean
  - Alfalfa, trefoil, alsike clover, timothy
  - Bluegrass, alfalfa, ladino clover, timothy
  - Soybean, clover, alfalfa, barley
- What term is described as follows? Term confined to pacers, when the hind foot on one side strikes the diagonal forefoot.
  - Forging
  - Scalping
  - Speedycutting
  - Cross-firing
- Eating and drinking are examples of \_\_\_ behavior.
  - Eliminative
  - Ingestive
  - Sexual
  - Gregarious
- Which of the following is NOT a valid reason for using artificial insemination?
  - Protects mare from injury
  - Protects the stallion from injury
  - Saves time because teasing is not necessary
  - More efficient during peak of the breeding season
- In a drought situation, which of the following is likely?
  - Horses will eat only sweet feed
  - Pastures will not allow weeds to grow
  - Horses may become poisoned by unpalatable plants
  - Hay will be moldier than usual
- Which of the following is NOT a guideline for training horses?
  - Be consistent in the presentation of all cues
  - Try to develop secondary positive reinforcement
  - Expect the horse to have reasoning power similar to humans
  - Learn how to start with basic cues and progress to new ones
- This picture shows a horse with...
  - Cocked ankles
  - Bowed tendon
  - Bucked Shin
  - Capped hocks



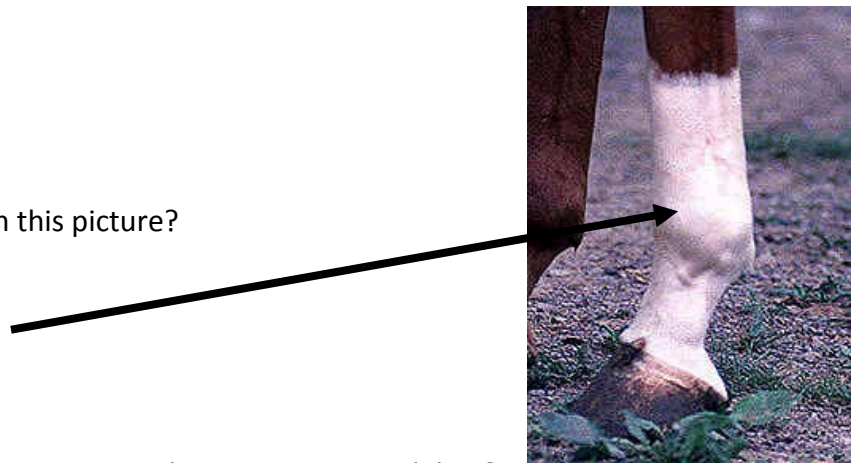
8. Which of the following are the most important characteristics that should be evaluated in equine selection?
- Balance, symmetry, hair coat, size of head
  - Breed type, conformation, balance, symmetry
  - Size of hoof, balance, number of blemishes
  - Tail carriage, sex type, definition of muscle



9. What is the age of this horse using the diagram of its teeth.
- 6 months
  - 5 years
  - 8.5 years
  - 2 years.

10. From ovulation to parturition, the average length of gestation for a horse is..
- 250 days
  - 335 days
  - 360 days
  - 240 days

11. What type of leg marking is in this picture?
- Blaze
  - Half-stocking
  - Sock
  - Stocking



12. Which of the following is NOT a nutritional management guideline?
- Examine and float teeth 3 times per year
  - Keep the food manager clean
  - Provide clean, fresh water regularly
  - Feed by weight, not by volume

13. The force that a horse's muscle can generate is a function of 3 factors. Which one of these does not belong?
- Short periods of stimulation causing contraction
  - Length of the muscle when stimulated to contract
  - Length of the leg and number of muscles
  - Number of actin and myosin filaments acting

14. When selecting a sire, which of the following is should be avoided?
- Cryptorchidism
  - High testosterone levels
  - An asymmetrical scrotum
  - Well defined muscles

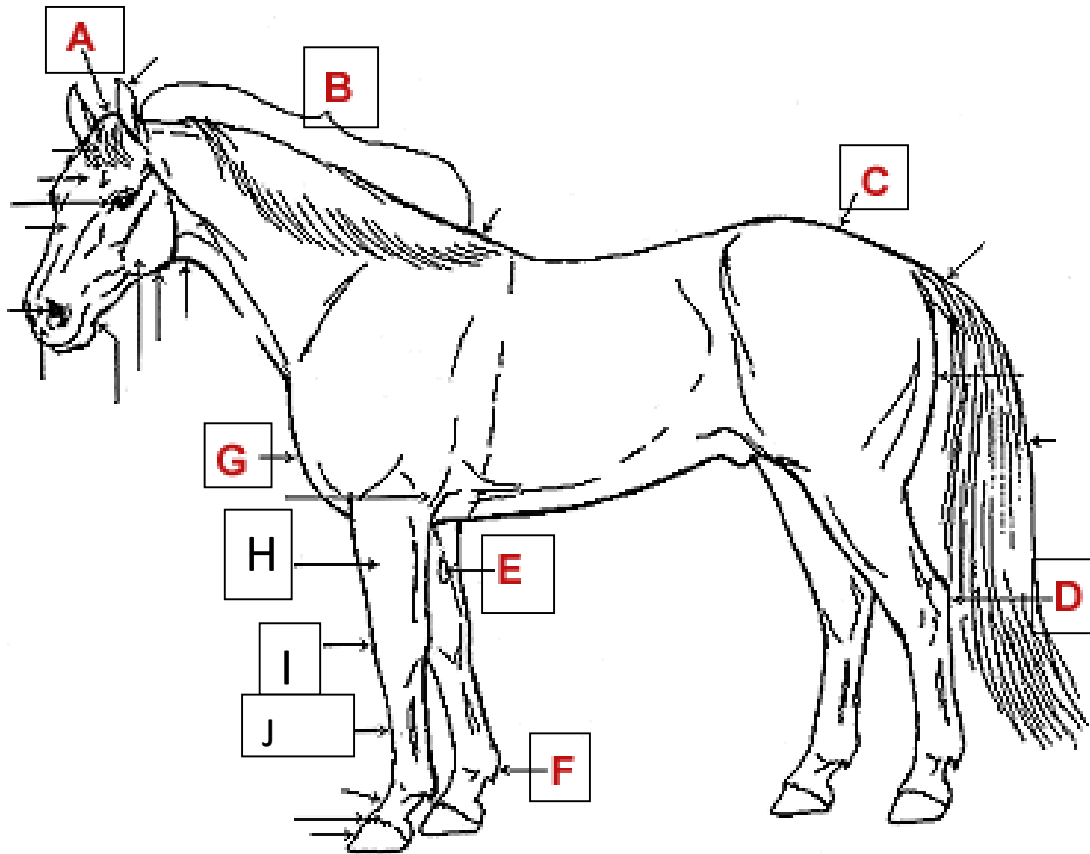
15. The ideal conformation of a horse is which one of the following...
- Splay-Footed, 45 degree angled shoulder, and hollow back
  - Steep pastern, back and the knee, strong loins
  - 45 degree angle shoulder and pastern, deep heart girth, mild slope at the croup
  - Steep croup, sickle hocked, and pigeon toed
16. Which of the following is abnormal during the foaling process (parturition).
- Afterbirth is passed with the foal
  - Colic symptoms are observed during stage 3
  - During stage 1 the mare is nervous and sweats
  - 2-5 gallons of water are expelled
17. If black coat color "B" is dominant over white coat color "b" , What is the expected result of mating BB x Bb?
- All BB
  - $\frac{1}{2}$  Homozygous Black and  $\frac{1}{2}$  Homozygous white
  - $\frac{1}{4}$  bb,  $\frac{1}{4}$  BB,  $\frac{1}{2}$  Bb
  - $\frac{1}{2}$  Homozygous Black and  $\frac{1}{2}$  Heterozygous Black
18. How old is a horse with all permanent teeth up and the same height with no wear showing on the corners?
- 12
  - 9
  - 5
  - 2
19. The coggins test is required by most states prior to interstate shipment
- True
  - False
20. Energy requirements are needed in high amounts for all But, which one of the following.
- Reproduction
  - Lactation
  - Work
  - Stalling
21. When selecting a mount for therapeutic riding it should have a wide base foundation.
- True
  - False

22. If you have a horse that you suspect may be suffering from a heat stroke, the best course of action might be ...
- Wash the horses body immediately with cold water
  - Provide the horse with lots of cold water to drink
  - Spray or sponge the head, lower side of the neck and legs with cold water.
  - Walk the horse around to regain movement and circulation.
23. Which of the following gaits has “leads”?
- Trot
  - Canter
  - Walk
  - Pace
24. An acre is approximately ...
- 43,560 square feet
  - 1/8<sup>th</sup> of a mile
  - 300 x 300 feet
  - None of these
25. Which is the following is the correct order of regions of the horse’s spinal column?
- Cervical, lumbar, thoracic, cardiac, coccygeal
  - Cervical, thoracic, lumbar, sacral, coccygeal
  - Cranial, cardiac, sacral, lumbar, coccygeal
  - Scapular, thoracic, coccygeal, lumbar, sacral
26. Which has the largest tissue mass in the horse’s body?
- Bone
  - Skin
  - Blood
  - Muscle
27. Which breed of horse is normally high at the withers and long at the body?
- Thoroughbred
  - Quarter horse
  - Standard bred
  - Percheron
28. Where would the navicular disease be located?
- Knee
  - Stifle
  - Hoof
  - Hock

29. What is the primary site of water absorption in a horse?
- Rumen
  - Cecum
  - Small intestine
  - Stomach
30. Military units that provided reconnaissance, security, and show of force in small numbers during the American Civil War were officially named by U.S. Congress in March of 1855. What were these military units called?
- Light Dragoons
  - Mounted Riflemen
  - Cavalry
  - Horse power
31. A breeds' status is considered threatened when fewer than 1,000 registration occur annually in the United States and the estimated global population is less than 5,000. All of these are considered threatened except:
- Dales Pony
  - Friesian
  - Hackney Horse
  - Lipizzaner
32. The layer of cells covering the external surfaces of an animal and lining its internal tubes for digestion, respiration, circulation, reproduction, and excretion; are called what classification of tissues?
- Nerve
  - Epithelial
  - Muscle
  - Connective
33. What division of the skeleton consists of the skull, spine, ribs and breastbone, pelvis and tail.
- Trunk
  - Appendicular
  - Limbs
  - Axial
34. Which vertebral column group contains 5 vertebrae fused together to form the sacrum?
- Sacral
  - Lumbar
  - Coccygeal
  - Thoracic

35. Several fuel system provide material to produce ATP for muscle contraction: Which system is a rapidly available source of energy, stored in muscle cells, with the ability to support anaerobic work for approximately 30 seconds at maximum output?
- Glycogen or Lactate system
  - Citric acid or Krebs cycle
  - Phosphagen system
36. A horse usually swallows slightly less than a \_\_\_\_\_ with each gulp of water.
- 2 oz
  - ½ pint
  - 1 cup
  - 1 pint
37. What are the 2 pituitary gonadotropins are responsible for the maintenance of gonadal functioning?
- Estrogen & Testosterone
  - Prolactin and Progesterone
  - LH & FSH
  - LH and Adrenalin
38. Which of the following is expected from a pigeon toed horse?
- Winging in
  - Paddling
  - Dishing
  - Rotation of the hocks
39. A ton of mixed grass/ legume hay costs \$95/ ton. Each bail weighs 55 pounds. What is the cost per bail?
- \$0.95
  - \$1.75
  - \$ 2.60
  - \$3.25
40. Which are found in the front limb of the horse?
- Atlas, fibula, scapula
  - Mandible, orbit, frontal bone
  - Scapula, carpus, tarsus
  - Fibula, calcaneus, metacarpus
  - Carpus, metacarpus, radius

**Directions:** Use the diagram below to answer questions 41– 50.



- 41) Letter A is identified as ...
- a. Poll
  - b. Cannon
  - c. Forehead
  - d. Ears

- 42) Letter B is identifies as...
- a. Neck
  - b. Withers
  - c. Crest
  - d. Rump

- 43) Letter C is identifies as...
- a. Fetlock
  - b. Rump
  - c. Hoof
  - d. Crest

- 44) Letter D is identified as...
- a. Knee
  - b. Hock
  - c. Cannon
  - d. Gaskin

- 45) Letter E is identified as...
- a. Forearm
  - b. Bay
  - c. Chestnut
  - d. Tendon

46) Letter F is identified as...

- a. Cannon
- b. Fetlock
- c. Knee
- d. Ankle

47) Letter G is identified as...

- a. Neck
- b. Crest
- c. Chest
- d. Forearm

48) Letter H is identified as...

- a. Forearm
- b. Leg
- c. Tendon
- d. Cannon

49) Letter I is identified as...

- a. Hock
- b. Stifle
- c. Knee
- d. Gaskin

50) Letter J is identified as...

- a. Cannon
- b. Pastern
- c. Fetlock
- d. Hock



## 2017 Answer Key

1. D
2. D
3. B
4. C
5. C
6. C
7. C
8. B
9. D
10. B
11. B
12. A
13. C
14. A
15. C
16. A
17. D
18. C
19. A
20. D
21. A
22. C
23. B
24. A
25. B
26. B
27. A
28. C
29. D
30. C
31. B
32. B
33. D
34. A
35. C
36. B
37. C
38. B
39. C
40. D
41. A
42. C
43. B
44. B

45. C

46. B

47. C

48. A

49. C

50. A