

## 2009 State FFA Written Exam - Horses

1. What is the term for the type of shoeing job when the farrier uses the same set of shoes for a second time?
  - A. Re-set
  - B. Shod again
  - C. Re-shod
  - D. Re-attached
  - E. **Both A & C are correct**
2. What disease is characterized by swollen or abscessed lymph glands, particularly those under or behind the jaws?
  - A. Encephalomyelitis
  - B. Influenza
  - C. **Strangles**
  - D. Tetanus
  - E. None are correct
3. Which ancestor of the modern day horse is being described: "lateral supporting toes decreased in size while the middle toe strengthened, resulting in little hooves that still had a pad behind them."
  - A. Eohippus
  - B. **Mesohippus**
  - C. Merychippus
  - D. Pliohippus
  - E. None are correct
4. What is the name for the motion that forces food through the digestive tract?
  - A. Longitudinal pulses
  - B. Prececal contractions
  - C. Post-perandial rise
  - D. **Peristalsis**
  - E. None are correct
5. What is the scientific name of the zebra that most closely resembles the common horse with very narrow vertical stripes and huge ears?"
  - A. *Equus burchelli*
  - B. ***Equus grevyi***
  - C. *Equus hemionus*
  - D. *Equus zebra*
  - E. *Equus caballus*
6. What is the term often referring to oats with the hulls removed?
  - A. Oat grits
  - B. **Oat groats**
  - C. Rolled oats
  - D. Steam flaked oats
  - E. Crimped oats

## 2009 State FFA Written Exam - Horses

7. How long after foaling does lactation peak?
- A. 1 week
  - B. 2 weeks
  - C. **2 months**
  - D. 4 months
  - E. 6 months
8. What is the common name for the following pest that is small ( $\frac{1}{2}$  to  $\frac{1}{15}$  inch long), humpbacked, biting pest that may reach high populations in the spring and early summer, particularly in pasture areas along streams.
- A. Biting gnats
  - B. Blackflies
  - C. Buffalo gnats
  - D. Punkies
  - E. **Both B & C are correct**
9. Which of the following is a point to consider when renovating an old pasture?
- A. Perform a soil test to determine lime and fertilizer requirements.
  - B. Select a seed mixture that complements the pasture drainage characteristics.
  - C. Protect seeded area until the new plants are well established
  - D. Destroy or suppress the old pasture by plowing or using herbicides.
  - E. **All are correct**
10. Toxic levels of vitamin K can cause what?
- A. Rupture of the white blood cells
  - B. Increase in the size of white blood cells
  - C. Decrease in the size of white blood cells
  - D. **Rupture of the red blood cells**
  - E. Both A & C are correct
11. What is one of the most common disorders seen in foals, occurring in 70-80% of foals under six months of age?
- A. Impaction
  - B. **Diarrhea**
  - C. Sleeping sickness
  - D. Strangles
  - E. None are correct
12. On average, a mare's gestation period is \_\_\_\_ days.
- A. 290
  - B. 300
  - C. **336**
  - D. 355
  - E. 365
13. What is the recommended ventilation rate for horses in a building at 55°F?
- A. 25 cubic feet per minute in the winter (minimum)
  - B. 100 cubic feet per minute in the winter (normal)
  - C. 200 cubic feet per minute in the summer
  - D. None are correct
  - E. **A, B, and C are correct**

## 2009 State FFA Written Exam - Horses

14. If a horse is experiencing renal failure, what part of the horse's body is not functioning properly?
- A. Heart
  - B. **Kidneys**
  - C. Lungs
  - D. Brain
  - E. Hypothalamus
15. What does the Follicle Stimulating Hormone (FSH) do?
- A. Inhibits follicular maturation
  - B. **Stimulates follicle development**
  - C. Shortens gestation
  - D. Stimulates estrus
  - E. Maintains pregnancy
16. Which of the following is not an abnormal reactive behavior in horses?
- A. Weaving
  - B. Pawing
  - C. Self-mutilation
  - D. **Coprophagy**
  - E. Pacing
17. At weaning time, most foals six months of age should be fed a diet containing what protein level?
- A. 8-10%
  - B. 10-12%
  - C. **14-14 ½ %**
  - D. 22-24%
  - E. 40-45%
18. What is the anatomical name of the tubular tissue that carries oxygenated blood under high pressure?
- A. Vein
  - B. Capillary
  - C. **Artery**
  - D. Both A & B
  - E. None are correct
19. Which of the following would be on the trailer safety checklist and should be checked prior to loading the horse?
- A. Lights
  - B. Hitch
  - C. Wheel bearings
  - D. Floorboards
  - E. **All are correct**
20. What percent of the horse's body weight is carried on its forehand?
- A. 37%
  - B. 40%
  - C. **65%**
  - D. 78%
  - E. 80%

## 2009 State FFA Written Exam - Horses

21. Spectator liability, products liability (concession stand sales), show judges and officials, and premises owner would be covered under what type of insurance policy?
- A. Care/Custody Control Insurance
  - B. Horse Club Liability Insurance
  - C. **Equine Event Insurance**
  - D. Pleasure & Show Horse Owner's Liability Insurance
  - E. Equine Full Mortality Insurance
22. What is thought to have been the horse's greatest contribution to human history?
- A. Its use as food
  - B. Its use as a companion
  - C. Its use as income
  - D. **Its use as a tool of warfare or transportation**
  - E. None are correct
23. Leydig cells in the stallion are responsible for the production of what two hormones?
- A. Testosterone
  - B. Oxytocin
  - C. Cortisol
  - D. Estrogen
  - E. **Both A & D**
24. Which of the following is not part of the horse's urinary system?
- A. Renal arteries
  - B. Ureters
  - C. Urethra
  - D. **Trachea**
  - E. Bladder
25. Which list of joints in the foreleg is in successive order from the top downward?
- A. Coffin, Pastern, Shoulder, and Elbow
  - B. Knee, Fetlock, Coffin, and Pastern
  - C. **Elbow, Knee, Fetlock, and Pastern**
  - D. Shoulder, Elbow, Knee, and Pastern
  - E. Shoulder, Stifle, Hock, and Fetlock
26. This type of horse has at least one registered parent and they are usually crosses between registered parents of two different breeds.
- A. Inbred
  - B. **Crossbred**
  - C. Line bred
  - D. Purebred
  - E. None are correct

## 2009 State FFA Written Exam - Horses

27. How many hours of light are necessary per day to bring a mare into heat prior to a normal breeding season?
- A. 8-10 hrs
  - B. 10-12 hrs
  - C. 20 hrs
  - D. **16 hrs**
  - E. None are correct
28. Minerals that are found in small quantities in feedstuffs and are required in small quantities in the body are typically referred to as what type of minerals?
- A. Macro minerals
  - B. **Micro minerals**
  - C. Essential minerals
  - D. Non-essential minerals
  - E. Mono-nutrients
29. Where would you find a corn on a horse's foot?
- A. **Heel area of the sole**
  - B. Toe area
  - C. Commissures
  - D. Bar
  - E. Frog
30. Prolactin, Adrenocorticotrophic hormone, and Luteinizing hormone is produced by what gland in the horse?
- A. Thyroid gland
  - B. Adrenal gland
  - C. **Anterior pituitary gland**
  - D. Pineal gland
  - E. Adrenal Cortex
31. A thoroughpin can be found on what area of the horse?
- A. Knee
  - B. **Hock**
  - C. Cannon
  - D. Hip
  - E. Wither
32. Approximately 70% of the mineral content of the horse's body consist of what two minerals?
- A. Calcium & Sodium
  - B. Magnesium & Zinc
  - C. Sodium & Potassium
  - D. **Calcium & Phosphorus**
  - E. Magnesium & Phosphorus

## 2009 State FFA Written Exam - Horses

33. What term is used to describe when the inside of the fore and hind foot strike in the air as the stride of the hind leg is about completed and the stride of the foreleg is just beginning?
- A. Winding
  - B. Scalping
  - C. Speedy-cutting
  - D. Interfering
  - E. **Cross-firing**
34. Knowing the horse's body weight would be important for which of the following situations?
- A. Amount of feed needed
  - B. Potential health problems
  - C. Proper medication
  - D. Maximal breeding efficiency
  - E. **All are correct**
35. What hoof disease is caused by hoof digesting fungi?
- A. Thrush
  - B. Laminitis
  - C. Founder
  - D. **White line disease**
  - E. Navicular
36. What is the single most important factor affecting quality of forage at harvest?
- A. Plant's variety
  - B. Harvesting techniques
  - C. **Plant's stage of maturity**
  - D. Weather
  - E. Rate of fertilization
37. What is the physiological term for shortening of muscle fibers?
- A. Cramp
  - B. **Contraction**
  - C. Relaxation
  - D. Fasciculation
  - E. All are correct
38. What dominant gene masks all color patterns?
- A. G, for gray color
  - B. g, for no gray color
  - C. w, for normal color
  - D. **W, for white color**
  - E. None are correct

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39. This term is used to describe a horse that is almost entirely white except for colored areas over the ears and perhaps the eyes, chest and base of tail?
- A. Bald face
  - B. Indian horse
  - C. Blanket
  - D. **Medicine hat**
  - E. Bonnet
40. Which of the following is not a factor that relates to a mare's reproductive potential?
- A. **Disposition**
  - B. Age
  - C. Breed
  - D. Past breeding records
  - E. General health
41. What grain is commonly fed to horses and has the highest source of energy?
- A. Wheat
  - B. **Corn**
  - C. Oats
  - D. Barley
  - E. Rye
42. Mares usually come into heat \_\_\_ days after foaling.
- A. 3 to 5
  - B. **7 to 10**
  - C. 13 to 15
  - D. 21 to 28
  - E. All are correct
43. What is the term used to describe a small patch of white hair located between a horse's eyes?
- A. Snip
  - B. Stripe
  - C. **Star**
  - D. Blaze
  - E. None are correct
44. What is the first part of the alimentary canal?
- A. Esophagus
  - B. **Mouth**
  - C. Stomach
  - D. Small Intestine
  - E. Large colon
45. What hormone causes the mare's cervix to become relaxed during estrus?
- A. FSH
  - B. LH
  - C. Oxytocin
  - D. **Estrogen**
  - E. PMSG

## 2009 State FFA Written Exam - Horses

46. What type of pasture provides the greatest total amount of nutrients and a longer grazing season?
- A. **Mixture of grass and legume**
  - B. Mixture of different grasses
  - C. Mixture of different varieties of grasses
  - D. Legumes
  - E. Grass
47. What is the largest joint in the horse?
- A. Hock
  - B. Knee
  - C. **Stifle**
  - D. Pastern
  - E. None are correct
48. For proper digestive tract function, horses require a minimum of what percent of their body weight per day in long-stem dry matter?
- A. 15%
  - B. 7%
  - C. 5%
  - D. **1%**
  - E. 0.5%
49. What forage is a good source of vitamin E?
- A. Brewer's yeast
  - B. **Alfalfa**
  - C. Corn
  - D. Cottonseed
  - E. Wheat midds
50. What is the best way to stop bleeding of a leg wound?
- A. Leave alone to clot
  - B. Wash with water
  - C. Apply light gauze pads
  - D. **Apply pressure bandage**
  - E. None are correct

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1. What is the term for the junction between the head and neck that reaches from ear to ear?
  - A. Throatlatch
  - B. Muzzle
  - C. Withers
  - D. Poll
2. If a horse is experiencing renal failure, what part of the horse's body is not functioning properly?
  - A. Heart
  - B. Kidneys
  - C. Lungs
  - D. Brain
  - E. Hypothalamus
3. In addition to the hitch, what else is used to further attach a horse trailer to a towing vehicle?
  - A. Hitch clip
  - B. Brakes
  - C. Towing lights
  - D. Safety chains
  - E. Tow rope
4. What grain commonly fed to horses has the highest source of energy?
  - A. Wheat
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  - C. Corn
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  - E. Rye
5. This type of horse has at least one registered parent and they are usually crosses between registered parents of two different breeds.
  - A. Line bred
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  - C. Purebred
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6. What does the Follicle Stimulating Hormone (FSH) do?
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  - A. Influenza
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  - C. Strangles
  - D. Encephalomyelitis
8. What type of device is used to keep horses "off pasture fences" to reduce maintenance and chance of injury?
  - A. Electric wire
  - B. Barbed wire
  - C. High tensile
  - D. Woven wire
9. At weaning time, most foal six months of age should be fed a diet containing what protein level?
  - A. 8-10%
  - B. 14-14 ½ %
  - C. 10-12%
  - D. 22-24%
  - E. 40-45%
10. What is the name for the piece of equipment that is used to clean out a horse's foot?
  - A. Nippers
  - B. Hoof knife
  - C. Clinchers
  - D. Rasp
  - E. Hoof pick
11. If your horse ate 10 pounds of hay per day, and a 75 pound bale of hay cost \$5.00. What would your hay cost for a 30 day period?
  - A. \$20
  - B. \$40
  - C. \$150
  - D. \$200
12. What is the term for the type of shoeing job when the farrier uses the same set of shoes for a second time?
  - A. Re-set
  - B. Shod again
  - C. Re-shod
  - D. Re-attached
  - E. Both A & C are correct

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- 8-10 hrs
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  - 20 hrs
  - 16 hrs**
16. What condition of the horse's foot is compared to athlete's foot in humans?
- Thrush**
  - White Line Disease
  - Laminitis
  - Abscess
  - Gravel
17. Mares usually come into heat \_\_\_\_ days after foaling.
- 3 to 5
  - 7 to 10**
  - 13 to 15
  - 21 to 28
18. A parasite that cannot live away from the host is called what?
- Anastomoses
  - Endoparasite
  - Ectoparasite
  - Obligate parasite**
19. Minerals that are found in small quantities in feedstuffs and are required in small quantities in the body are typically referred to as what type of minerals?
- Macro mineral
  - Micro minerals (Trace)**
  - Essential minerals
  - Non-essential minerals
20. What type of pasture provides the greatest total amount of nutrients and a longer grazing season?
- Mixture of grass and legume**
  - Mixture of different grasses
  - Mixture of different varieties of grasses
  - Legumes
  - Grass
21. What aspect of colostrum makes it different from ordinary milk?
- It is less concentrated
  - It is high in vitamin A
  - It is high in vitamin C
  - It contains more antibodies**
  - It contains less antibodies
22. What is the first part of the alimentary canal?
- Mouth**
  - Esophagus
  - Stomach
  - Small Intestine
  - Large Colon
23. What hormone causes the mare's cervix to become relaxed during estrus?
- FSH
  - LH
  - Oxytocin
  - Estrogen**
  - PMSG
24. The simplest way to avoid errors in ration formulation is to formulate on a \_\_ percent dry matter basis.
- 50%
  - 75%
  - 85%
  - 90%
  - 100%**
25. Where would you find a corn on a horse's foot?
- Heel area of the sole**
  - Toe area
  - Commissures
  - Bar
  - Frog

## 2008 State FFA Written Exam - Horses

26. What is the chief form in which carbohydrates are stored in the horse's body?
- A. Volatile Fatty Acids
  - B. Glycogen**
  - C. Lipids
  - D. Glucose
  - E. Triglycerides
27. A thoroughpin can be found on what area of the horse?
- A. The knee
  - B. The hock**
  - C. The cannon
  - D. The hip
  - E. The wither
28. Silver Dapple – a dappled chestnut with silver or white mane and tail is unique to what breed of horse?
- A. Welsh Pony
  - B. Connemara Pony
  - C. Fell Pony
  - D. Kerry Bog Pony
  - E. Shetland Pony**
29. Approximately 70% of the mineral content of the horse's body consist of what two minerals?
- A. Magnesium & Zinc
  - B. Sodium & Potassium
  - C. Calcium & Sodium
  - D. Magnesium & Phosphorus
  - E. Calcium & Phosphorus**
30. What is the anatomical name of the tubular tissue that carries oxygenated blood under high pressure?
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31. What is the term often referring to oats with the hulls removed?
- A. Oat grits
  - B. Oat groats**
  - C. Rolled oats
  - D. Steam flaked oats
32. A horse that requires less feed than other horses under similar situations is generally referred to as what type of horse?
- A. An easy keeper**
  - B. A poor doer
  - C. An outlier
  - D. Genetically superior
33. What is the Lutenizing Hormone (LH) responsible for?
- A. Formation of the follicle
  - B. Ovulation of the follicle
  - C. Formation of the corpus luteum
  - D. Both B & C are correct**
34. Toxic levels of vitamin K can cause what?
- A. Rupture of the white blood cells
  - B. Increase in the size of white blood cells
  - C. Decrease in the size of white blood cells
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  - D. **1%**
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- A. 80%
  - B. 78%
  - C. **65%**
  - D. 40%
  - E. 37%
40. What forage is a good source of vitamin E?
- A. Brewer's yeast
  - B. **Alfalfa**
  - C. Corn
  - D. Wheat midds
  - E. Barley
41. What does the girth attach to on the English saddle?
- A. Dee ring
  - B. Flank girth
  - C. **Billets**
  - D. Cantle
  - E. Pommel
42. What is thought to have been the horse's greatest contribution to human history?
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  - D. **Medicine Hat**
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50. What dominant gene masks all color patterns?
- A. G, for gray color
  - B. g, for no gray color
  - C. w, for normal color
  - D. **W, for white color**

## 2008 State FFA Written Exam - Horses

### Equine

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

## 2007 State FFA Written Exam - Horses

1. At weaning time, most foal six months of age should be fed a diet containing what protein level?
  - a. 8-10%
  - b. **14-14 ½ %**
  - c. 10-12%
  - d. 22-24%
2. What type of device is used to keep horses “off pasture fences” to reduce maintenance and chance of injury?
  - a. **Electric Wire**
  - b. Barbed Wire
  - c. High Tensile
  - d. All are correct
3. What is the term for the black, waxy substance that builds up in a horse’s sheath?
  - a. Sebum
  - b. Pupice
  - c. Crud
  - d. **Smegma**
4. In addition to the hitch, what else is used to further attach a horse trailer to a towing vehicle?
  - a. Hitch clip
  - b. Brakes
  - c. Towing lights
  - d. **Safety Chains**
5. What is the single most important factor affecting quality of a forage at harvest?
  - a. Plant’s variety
  - b. **Plant’s stage of maturity**
  - c. Harvesting techniques
  - d. None are correct
6. What is another name for equine distemper?
  - a. **Strangles**
  - b. Influenza
  - c. Rhinopneumonitis
  - d. Encephalomyelitis
7. What grain commonly fed to horses has the highest source of energy?
  - a. Wheat
  - b. Oats
  - c. **Corn**
  - d. Barley

## 2007 State FFA Written Exam - Horses

8. Minerals that are found in small quantities in feedstuffs and are required in small quantities in the body are typically referred to as what type of minerals?
- Macro mineral
  - Micro minerals (Trace)**
  - Essential minerals
  - Non-essential minerals
9. What two minerals are primarily needed for the formation of bone?
- Zinc and Lysine
  - Calcium and Magnesium
  - Copper and Zinc
  - Calcium and Phosphorus**
10. What is the name for the membrane lining the inside of the uterus?
- Zona pellucida
  - Endometrium**
  - Theca folliculi
  - Theca interna
11. What type of pasture provides the greatest total amount of nutrients and a longer grazing season?
- Mixture of grass and legume**
  - Mixture of different grasses
  - Mixture of different varieties of grasses
  - Legumes
12. Which common cereal grain fed to horses is lowest in crude protein?
- Wheat
  - Oats
  - Corn**
  - Barley
13. What is the correct name for the membranous organ referred to as the “afterbirth?”
- Allanto-chorionic membrane
  - Placenta**
  - Meconium
  - None are correct
14. Which of the following would be provided to the horse free choice in the form of a block, loose or added to the feed?
- Calcium
  - Sodium Chloride**
  - Phosphorus
  - Zinc

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15. What is the name for the motion that forces food through the digestive tract?
- Longitudinal pulses
  - Prececal contractions
  - Peristalsis**
  - None are correct
16. What is the term for the type of behavior when horses huddle together during inclement weather?
- Contactual Behavior**
  - Mimicry
  - Epimeletic
  - Et-Epimeletic
17. A parasite that cannot live away from the host is called what?
- Anastomoses
  - Endoparasite
  - Ectoparasite
  - Obligate Parasite**
18. Which part of a pack saddle is used to hold the saddle back when going down hill?
- Crupper
  - Breeching**
  - Hip Straps
  - Breast Collar
19. What condition of the horse's foot is compared to athlete's foot in humans?
- Thrush**
  - White Line Disease
  - Laminitis
  - Abscess
20. What is the name for the flexible quirt that is attached to the "California-style" reins?
- Bosal
  - Mecate
  - Romal**
  - None are correct
21. What is the name of the structure that allows foals to eat without interference from the mare?
- Stanchion Feeder
  - Creep Feeder**
  - Tie stall
  - All are correct
22. How many hours of light are necessary per day to bring a mare into heat prior to normal breeding season?
- 10-12 hours
  - 20 hours
  - 16 hours**
  - 11-12 hours

## 2007 State FFA Written Exam - Horses

23. What is the chief form in which carbohydrates are stored in the horse's body?
- Volatile Fatty Acids
  - Glycogen**
  - Lipids
  - Glucose
24. What hoof disease is caused by hoof digesting fungi?
- Thrush
  - Laminitis
  - White Line Disease**
  - Abscess
25. Where would you find a corn on a horse's hoof?
- Heel area of the sole**
  - Toe area
  - Commissures
  - Frog
26. What is the primary sign of an iron deficiency in horses?
- Head pressing
  - Hyperirritability
  - Anemia**
  - None are correct
27. What is thought to have been the horse's greatest contribution to human history?
- Its use as food
  - Its use as a companion
  - Its use as a tool of warfare or transportation**
  - None are correct
28. What is the most commonly used techniques for estimating a horse's body weight?
- Bone Density
  - Weight tape/ heart girth tape**
  - Forearm circumference tape
  - Height tape
29. What is the term for feedstuffs high in fiber?
- Concentrates
  - Grains
  - Forage or Roughage**
  - All are correct
30. What hormone causes the mare's cervix to become relaxed during estrus?
- FSH
  - Oxytocin
  - Estrogen**
  - PMSG

## 2007 State FFA Written Exam - Horses

31. This type of horse has at least one registered parent and they are usually crosses between registered parents of two different breeds.
- Line bred
  - Purebred
  - Inbred
  - Crossbred**
32. At what time of the year is Yellow Star Thistle a problem for horses?
- Late Summer and into the fall**
  - Late Spring
  - Early Fall
  - All summer
33. Silver Dapple – a dappled chestnut with silver or white mane and tail is unique to what breed of horse?
- Welsh Pony
  - Connemara Pony
  - Fell Pony
  - Shetland Pony**
34. What is the most economical protein feed supplement fed to horses?
- Soybean Meal**
  - Wheat Midds
  - Flaxseed Oil
  - Sunflower Oil
35. What is the largest joint in the horse?
- Hock
  - Knee
  - Stifle**
  - Pastern
36. What type of exam is usually performed by a veterinarian to describe the overall soundness and health of a horse prior to a sale transaction?
- Breeding soundness exam
  - Pre-purchase exam**
  - Post sale exam
  - Buyer beware exam
37. What is the anatomical name of the tubular tissue that carries oxygenated blood under high pressure?
- Vein
  - Capillary
  - Artery**
  - All of these

## 2007 State FFA Written Exam - Horses

38. What is the term for a partial or complete blockage of the esophagus, causing an inability to swallow?
- Choke**
  - Colic
  - Heaves
  - COPD
39. What dominant gene masks all color patterns?
- G, for gray color
  - w, for normal color
  - g, for no gray color
  - W, for white color**
40. How is it determined that a stallion has ejaculated while breeding a mare?
- Excessive nodding of the head
  - Tail Flapping (raising & lowering of the tail several times)**
  - Tail swishing (side to side several times)
  - None are correct
41. What percent of the horse's body weight is carried on its forehand?
- 80%
  - 78%
  - 65%**
  - 40%
42. How is a "pecking order" established in a herd of horses?
- Through aggression**
  - Through passive acceptance
  - Through mimicry
  - None are correct
43. What species is the domestic horse?
- Equus hemionus
  - Equus asinus
  - Equus burchelli
  - Equus caballus**
44. Which hormone's primary is to stimulate spermatogenesis or production of sperm in the stallion?
- Gonadotropin Releasing Hormone (GnRH)
  - Follicle Stimulating Hormone (FSH)**
  - Luteinizing Hormone (LH)
  - All are correct
45. Proteins are composed of a chain of smaller units that are called what?
- Peptidases
  - Volatile Fatty Acids
  - Amino Acids**
  - None are correct

## 2007 State FFA Written Exam - Horses

46. What forage is a good source of vitamin E?
- a. Brewer's yeast
  - b. **Alfalfa**
  - c. Corn
  - d. Wheat Midds
47. This term is used to describe a horse that is almost entirely white except for colored areas over the ears and perhaps the eyes, chest and base of tail?
- a. Bald Face
  - b. Indian Horse
  - c. Blanket
  - d. **Medicine Hat**
48. What is the physiological term for shortening of muscle fibers?
- a. **Contraction**
  - b. Relaxation
  - c. Cramp
  - d. None are correct
49. What is the best way to stop bleeding of a leg wound?
- a. Leave alone to clot
  - b. Wash with water
  - c. Apply light gauze pads
  - d. **Apply pressure bandage**
50. What part of the hoof grows the fastest?
- a. Heel
  - b. Wall
  - c. **Toe**
  - d. None are correct