

2009 New York State Hippology Contest  
Junior Written Test - with answers

1. Which fat soluble vitamin is associated with selenium?
  - a. Vitamin A
  - b. Vitamin D
  - c. **Vitamin E (Lewis, 21)**
  - d. Vitamin K
2. What term best describes when a mare is not cycling?
  - a. **Anestrus (Lewis, 235)**
  - b. Diestrus
  - c. Monestrus
  - d. Polyestrus
3. What vitamin does not need to be in the equine diet?
  - a. Vitamin A
  - b. Vitamin B
  - c. **Vitamin C (Lewis, 59)**
  - d. Vitamin E
4. What is coprophagia?
  - a. eating of wood
  - b. eating of stones
  - c. eating of bedding
  - d. **eating of feces (Lewis, 374)**
5. During a normal foaling, will the back feet or front feet come out first?
  - a. **Front Feet (HIH 490-4)**
  - b. back feet
6. Which disease has the shortest history in the United States?
  - a. salmonellosis
  - b. **West Nile Virus (HIH 665-1)**
  - c. sleeping sickness
  - d. swamp fever
7. What is the best description of the horse's digestive system?
  - a. non-ruminant
  - b. ruminant
  - c. monogastric
  - d. **non-ruminant herbivore (HIH 710-1)**
8. Which part of the equine digestive tract is small in relation to the rest of the tract?
  - a. **stomach (HIH 710-1)**
  - b. small intestine
  - c. large intestine
  - d. cecum
9. Where is the primary site of nutrient absorption in the digestive tract?
  - a. stomach
  - b. **small intestine (HIH 710-1)**
  - c. large intestine
  - d. cecum
10. Which class of horse has the highest nutritional needs?

- a. working
  - b. idle
  - c. **growing (HIH 710-3)**
  - d. producing
11. which body score is the healthiest for the horse?
- a. 2
  - b. **5 (HIH 710-4)**
  - c. 7
  - d. 9
12. What is a complete feed?
- a. **forage and concentrate in one feed (HIH 710-5)**
  - b. has all of the concentrates in one feed
  - c. has all of the forage in one feed
  - d. meets the complete requirements for all horses
13. Which is a legume?
- a. Timothy
  - b. fescue
  - c. **birdsfoot trefoil (HIH 760-2)**
  - d. kentucky bluegrass
14. What part of the hoof absorbs shock?
- a. periople
  - b. hoof wall
  - c. **frog (HIH 505-2)**
  - d. sole
15. what breed of horses are used in harness racing?
- a. **Standardbred (HIH 171B-1)**
  - b. Saddlebred
  - c. Thoroughbred
  - d. Hackney
16. The gestation period of a mare is approximately how many months?
- a. 9 months
  - b. 10 months
  - c. **11 months (HIH 940-2)**
  - d. 12 months
17. How much water does a mature horse drink in one day?
- a. 6-8 gallons
  - b. 8-10 gallons
  - c. **10-12 gallons**
  - d. 12-14 gallons
18. What color horse has a yellowish or gold body, black mane and tail, black lower legs, and no dorsal stripe?
- a. **buckskin (HIH 140-1)**
  - b. dun
  - c. palomino

- d. grullo
19. What is the term for filing sharp points on a horse's teeth?
- a. smoothing
  - b. sanding
  - c. **floating (HIH 405-2)**
  - d. culling
20. Which bone in the leg rotates in a horse suffering from founder?
- a. navicular bone
  - b. short patern bone
  - c. **coffin bone ( HIH 640-1)**
  - d. cannon bone
21. Which Gate has the fewest beats?
- a. walk
  - b. **trot (Evans, 176)**
  - c. canter
  - d. gallop
22. When does foalk heat occur?
- a. **less than 2 weeks after foaling (Evans, 349)**
  - b. 2-3 weeks after foaling
  - c. 3-4 weeks after foaling
  - d. 5 or more weeks after foaling
23. Which part of the english bridle, which includes the noseband, helps to keep the bridle in place and the horse's mouth closed?
- a. Throatlatch
  - b. **cavesson (HIH 1000-6)**
  - c. Headstall
  - d. crown piece
24. Which one of the following does not contribute to a horse's nutritional requirments?
- a. age
  - b. type of use or activity
  - c. **the color of the animal (HIH 120-3)**
  - d. the enviorment in which the animal lives
25. Which part of the horse's body is most commonly used to determine age in a horse?
- a. skin/coat
  - b. back legs
  - c. **teeth (HIH 240-1)**
  - d. length of tail and mane
26. which condition may be caused by brisuing the top of the head?
- a. fistula
  - b. splint
  - c. pituitary gland
  - d. **poll evil (dict. 217)**
27. What do you call someone who trims and applies shoes to a horse's hooves?
- a. equestian

- b. farrier (HIH 110-5)
  - c. bridle
  - d. withers
28. What is a horse's respiration rate?
- a. 40-30 breaths per minute
  - b. 33-27 breaths per minute
  - c. 21-25 breaths per minute
  - d. **8-16 breaths per minute (HIH 851-3)**
29. How many chromosomes does the horse have?
- a. **32 (HIH 1020-1)**
  - b. 26
  - c. 24
  - d. 12
30. What is an inflammatory disease of the lungs?
- a. strangles
  - b. influenza
  - c. **pneumonia (Evans, 597)**
  - d. encephalomyelitis
31. What disease is diagnosed with the Coggin's test?
- a. Coggin's disease
  - b. Cushing's disease
  - c. **Equine Infectious Anemia (Evans, 601)**
  - d. Rabies
32. What is defined as "any deviation in structure that interferes with the horse's intended use or performance"?
- a. conformation
  - b. blemishes
  - c. under-evaluation
  - d. **unsoundness (HIH 230-1)**
33. How many pommels are on a side saddle?
- a. 1
  - b. **2 (HIH 184 D-1)**
  - c. 3
  - d. 0
34. What parasite causes itching around the rectum?
- a. strongyles
  - b. ascarids
  - c. bot flies
  - d. **pinworms (HIH 430-1)**
35. What can cause laminitis?
- a. metabolic disease
  - b. over work
  - c. excessive feed
  - d. **all of the above (HIH 455-1)**
36. Equine influenza affects what body system?
- a. circulatory

- b. cardiac
  - c. reproductive
  - d. **respiratory (HIH 605-1)**
37. For which disease is euthanasia the most commonly recommended treatment?
- a. laminitis
  - b. strangles
  - c. **Equine infectious anemia (HIH 630-1)**
  - d. coggin's disease
38. What is considered to be the most common form of malnutrition in horses in the United States?
- a. **Obesity or too much feed (Evans, 218)**
  - b. unconditioned
  - c. founder
  - d. anorexia
39. A thick milk that contains globulin for temporary immunity, produced by the mare for the foal right after birth is called what?
- a. Colostrum (Ensminger, 516)
  - b. Whole milk
  - c. Antibodies
  - d. None of the above
40. How is dominance established in a herd of horses?
- a. aggression (Evans, Borton et al, 677)
  - b. defensive
  - c. submissive
  - d. both b and c
41. Proteins are made up of smaller units called what?
- a. genes
  - b. DNA
  - c. **amino acids (Lewis, 15)**
  - d. cells
42. Which is highest in protein?
- a. **alfalfa hay (HIH 790)**
  - b. corn
  - c. barley
  - d. wheat
43. Anemia is the primary sign of what mineral deficiency?
- a. salt
  - b. **iron (Evans, 233)**
  - c. selenium
  - d. zinc
44. How long is the horse's small intestine?
- a. 60 feet
  - b. 65 feet
  - c. **70 feet (HIH 710)**
  - d. 75 feet

45. What is the substance that lubricates a joint?
- synovial fluid
  - synovial fluid (Ensminger, 531)**
  - cerebral fluid
  - uterine fluid
46. What is the common name for Equine infectious Anemia?
- Coggins
  - tetanus
  - Rabies
  - Swamp fever (Ensminger, 518)**
47. What four (4) parts make up the cardiovascular system?
- Mouth, esophagus, stomach, small intestine
  - nose, trachea, lungs, blood
  - Heart, arteries, capillaries, veins (Evans, Borton et al, 111)**
  - Hearth, lungs, platelets, lymph nodes
48. How many chukkers are in a polo match?
- 1
  - 3
  - 5
  - 6 HBM**
49. Which of the following are signs of inflammation?
- redness, swelling, heat, pain (Veterinary Medicine 585)**
  - whiteness, swelling, heat, pain
  - swelling, heat, pain, discharge
  - discharge, cool to the touch, pain
50. What is the name of the part of the harness that fits under the tail?
- dock
  - tail piece
  - crupper (Ensminger, 516)**
  - rigging
51. What does the urinary system consist of?
- Kidneys, ureters, bladder, urethra (Evans, Borton et al, 119)**
  - Cervix, uterus, vagina, vulva
  - kidneys, cervix, uterus, bladder
  - kidneys, uterus, bladder, urethra
52. True or false: Horses can vomit
- true
  - false (HBM)**
53. How often should a horse's hoof be trimmed?
- 1-2 weeks
  - 3-4 weeks

- c. 5 weeks
  - d. **6-8 weeks (The Horse, 720)**
54. What organ of the horse secretes gastric juices?
- a. uterus
  - b. **stomach (Evans, Borton et al, 191)**
  - c. tongue
  - d. small intestine
55. The term that refers to a horse being shown at halter in a breeding or halter class; the horse may be shown in either a halter or bridle.
- a. horsemanship
  - b. equitation
  - c. please
  - d. **inhand (Esminger, 448)**
56. Which part of the western saddle is found under the fenders?
- a. horn
  - b. **stirrup straps (Esminger, 421)**
  - c. hobbles
  - d. skirt
57. On what type of horse is a liverpool bit usually found?
- a. stock horse
  - b. hunter horse
  - c. racing horse
  - d. **driving horse (HBM)**
58. Which is longer?
- a. western cinch
  - b. **english girth (HBM)**
59. A bitless bridle that is often used in breaking young horses especially polo and cow ponies is a what?
- a. **bosal hackamore (Esminger, 418)**
  - b. snaffle
  - c. egg bit
  - d. d ring
60. The side of the horse from which the horse is generally mounted.
- a. far side
  - b. off side
  - c. right side
  - d. **near side (Dict. Equine Terms, 188)**
61. What is the desired stall size for an average horse?
- a. 6'x8'
  - b. 8'x10'
  - c. 10'x11'
  - d. **12'x12' (The Horse, 778)**
62. True or false: Silage can be fed to horses?
- a. **true (The Horse, 256)**
  - b. false

63. Which of the following is not a grass hay?
- a. fescue
  - b. timothy
  - c. **soybean (The horse 255)**
  - d. bluestem
64. Which vitamin can be obtained by ingesting sun cured hay?
- a. vitamin A
  - b. Vitamin B
  - c. vitamin C
  - d. **vitamin D (The Horse 260)**
65. This is the method of feeding young foals so that the foal can eat without the mare interfering
- a. **creep feeding (The Horse, 262)**
  - b. mob feeding
  - c. individual feeding
  - d. restricted feeding
66. What does the term "off-feed" mean?
- a. **not eating (The Horse, 305)**
  - b. bad feed
  - c. restrictive feeding
  - d. bolting
67. When talking about horse shoes, what does the term forge mean?
- a. to break a shoe
  - b. **to make a shoe (The Horse , 728)**
  - c. To bend a shoe
  - d. to throw a shoe