

## PRACTICE HIPPOLOGY WRITTEN EXAM #2 ANSWERS

**Coat Colors** - Write the correct letter in the blank (HIH 140-1 & 140-2)

1.   D   Black mane and tail A. Dun
2.   C   Flaxen mane and tail B. Red Roan
3.   A   Dorsal and zebra stripes C. Sorrel
4.   B   Body is a mixture of white and red hairs D. Buckskin

**What Breed is That?** - Circle the correct answer (HIH 150-1 through 161-2, Horse 28-74)

5. What breed could be characterized by the terms tobiano, overo, or tovero? (HIH159-3)  
a. Arabian b. Paso Fino c. Appaloosa **d.** Paint
6. What breed originated in the Shetland Isles of Scotland? (Horse 58)  
a. Welsh **b.** Shetland pony c. Icelandic ponies d. POA's
7. What breed is represented by the Jockey Club? (HIH157-1)  
**a.** Thoroughbred b. Clydesdale c. Trotting Horse d. Welsh
8. What breed originated in Ireland and is known for its jumping ability? (Horse 65)  
**a.** Connemera b. Cob c. Trakehner d. Gotland
9. What breed was once called the American Trotting Horse? (Horse 28)  
a. Fox Trotter b. Hackney **c.** Standardbred d. Spanish Barb
10. What breed of horse **did not** originate in Germany? (Horse 74)  
a. Hanoverian b. Trakehner c. Holstein **d.** Haflinger

**The Nervous System** - Match the nerve to the function that it serves. Write the correct letter in the blank. (HA Plate 78)

11.   C   Optic Nerve A. Moves Muscles of the Tongue
12.   B   Olfactory Nerve B. Sense of Smell
13.   D   Vestibulocochlear Nerve C. Vision
14.   A   Hypoglossal Nerve D. Hearing and Balance
15.   E   Oculomotor Nerve E. Moves Eye Muscles

**ABC's** - Fill in the correct word that begins with the underlined letter (Glossary of Equus)

16. The wasting away of a body part or tissue is called A atrophy. (Equus 8/02)
17. Able to survive or function where there is no oxygen A anaerobic. (Equus 12/02)
18. Fluid secreted by the liver that goes into the small intestine and aids in digestion B bile. (Equus 4/02)
19. The large pouch between the small and large intestines C Cecum. (Equus 2/03)
20. Abdominal pain C colic. (Equus 4/02)
21. To cut away dead or damaged tissue D debride. (Equus 8/02)
22. The abnormal collection of fluid in body tissues that causes soft swelling E edema  
(Equus 12/02)
23. The lower jawbone M mandible. (Equus 8/02)
24. Also known as the windpipe T trachea. (Equus 2/03)

**Know Your Horses** - Circle the correct answer (Horse Industry Handbook)

25. Which is not a type of equine encephalitis? (HIH625-1)  
 a. northern      b. eastern      c. western      d. venezuelan
26. How many pairs of chromosomes does the horse have? (HIH 1020-1)  
a. 16       b. 32      c. 48      d. 64
27. What term refers to paired genes that are identical? (HIH 1020-2)  
a. mitosis      b. meiosis      c. heterozygous       d. homozygous
28. Which is NOT a type of negative reinforcement? (HIH1240-3)  
a. punishment      b. escape       c. feed      d. avoidance
29. What is the normal pulse rate for a mature horse at rest in beats per minute? (HIH425-1)  
a. 30       b. 45      c. 70      d. 100
30. How many pounds of manure will a healthy horse produce in 24 hours? (HIH425-2)  
 a. 45 pounds      b. 65 pounds      c. 20 pounds      d. 5 pounds
31. Which of the following is not a type of colic? (HIH435-1)  
a. spasmodic colic      b. impaction colic       c. black walnut colic      d. displacement colic
32. Modified viruses injected into the horse to provide an immune response are what? (HIH445-1)  
a. infection      b. immunization      c. lacerations       d. vaccinations
33. Rabies vaccinations should be given to horses: (HIH445-3)

- a. every 3 months    b. every 6 months    **c.** every year    d. every 2 years

34. Cushing's Syndrome is caused by a tumor on which gland? (HIH450-5)

- a. kidney    b. thyroid    c. liver    **d.** pituitary

**The Knee Bone is Connected to the Leg Bone** - From the ground up, label the bones in the front leg in order with 1 being closest to the ground and 5 being closest to the withers. (HA Plate 6, Horse 91)

35.   3   Carpal Bones

36.   1   Distal Phalanx

37.   5   Humerus

38.   2   Metacarpal Bone

39.   4   Radius

**True or False** - Write **True** if the statement is true and **False** if the statement is false (Horse)

40.   T   The muscles surrounding the left ventricle are much stronger than those surrounding the right ventricle. (Horse 111)

41.   F   The horse belongs to the class Animalia (Horse 13)

42.   T   Bones of the horse are classified as long, short, flat, and irregular (Horse 90)

43.   F   The skeleton of the horse is made up of 213 bones (Horse 90)

44.   T   The tidal volume is the volume of air inspired or expired during each breathing cycle (Horse 109)

45.   F   The epidermal layer of skin contains arteries, veins, and hair follicles (Horse 128)

46.   T   Most food will pass through the digestive system within 65 to 75 hours after ingestion (Horse 194)

47.   T   Iodine is a trace nutrient (Horse 231)

48.   T   The color palomino results from a dilution of the chestnut gene (Horse 459)

49.   F   The hoof knife is used to clean rocks and dirt from the hoof (Horse 728)

**Foot Care** - Circle the correct answer (HIH 505-1 through 555-2)

50. What part of the shoe takes the stress off the nails and stabilizes the shoe on the hoof?(HIH515-2)  
 a. clips                      b. webs                      c. fullerings                      d. pitch
51. What type of shoe enhances leg action and motion of the horse? (HIH515-3)  
 a. glue on shoes              b. heart bar shoes               c. weighted shoes              d. aluminum shoes
52. What tool is used to open the nail holes on the shoe? (HIH530-4)  
 a. nippers                      b. rasp                      c. clinchers                       d. pritchel
53. What vitamin is necessary for the growth and development of normal hoofs? (HIH505-2)  
 a. A                      b. B                      c. C                      d. D
54. What material is preferred for jumping and reining shoes to decrease fatigue? (HIH515-4)  
 a. iron                      b. steel                       c. aluminum                      d. copper
55. Thrush is usually found where on the hoof? (HIH540-1)  
 a. toe                       b. around the frog              c. outer wall                      d. coronary band
56. What part of the hoof should be used as a guide when shaping hooves? (HIH525-1)  
 a. sole                      b. hoof wall                      c. frog                       d. white line

**Trace Nutrients** - Write the correct letter in the blank (Horse 231-237)

57.   D   a lack of this results in muscular dystrophy in young horses                      A. Iron
58.   E   helps build cartilage                      B. Manganese
59.   B   lost when horses sweat                      C. Iodine
60.   A   required for hemoglobin to transport oxygen in blood                      D. Selenium
61.   C   needed for production of hormones in thyroid gland                      E. Sodium Chloride

**Inches to Hands, Hands to Inches** - Write the correct number in the blank (Horse 139)

62. How many inches tall is a horse that is 10 hands?                     40
63. How many inches tall is a horse that is 13.2 hands?                     54
64. How many hands is a horse that is 48 inches tall?                     12
65. How many hands is a horse that is 71 inches tall?                     17.3

**Healthy Horses** - Circle the correct answer (Glossary Equus Magazine)

66. Which term refers to the therapeutic rinsing with large volumes of fluid? (Equus 2/03)

- A. Lavage                      B. Flush                      C. Rinse                      D. Cleanse

67. What is the forced expiratory effort in horses due to the narrowing of the airways in the lungs called? (Equus 2/03)

- A. Coughing                       B. Heaves                      C. Sneezing                      D. Asthma

68. What is an anti-inflammatory medication used in the management of joint, bone and muscle injuries? (Equus 2/03)

- A. Bort                      B. Bite                       C. Bute                      D. Bait

69. Which term is NOT associated with swelling or inflammation? (Equus 12/02)

- A. Encephalitis                       B. Enterolith                      C. Edema                      D. Scratches

70. Which is NOT a type of white blood cell? (Equus 12/02)

- A. Neutrophil                      B. Basophil                      C. Monocyte                       D. Leukophil

71. Where on the horse are the guttural pouches located? (Equus 12/02)

- A. Head                      B. Legs                      C. Back                      D. Hooves

**Male or Female** – For the following reproductive parts, write (M) if the part is male or (F) if the part is female (Horse)

72.   F   Clitoris (Horse 316)                      75.   M   Prepuce (Horse 355)  
 73.   M   Seminal Vesicle (Horse 355)                      76.   F   Fallopian Tube (Horse 316)  
 74.   F   Cervix (Horse 321)                      77.   M   Scrotum (Horse 355)

**Let's See Those Muscles** - Match the type of muscle to the body part where it is located. Write the correct letter in the blank. (HA Plate 16, Horse 100)

78.   E   Shoulder                      A. Digital Extensor  
 79.   A   Gaskin                      B. Masseter  
 80.   B   Cheek                      C. Cervical Ventral Serrated  
 81.   D   Barrel                      D. External Abdominal Oblique  
 82.   C   Neck                      E. Deltoid

**Nutrition** - Circle the correct answer (HIH 420-1, 2 and HIH 710-5 to 760-1)

83. What is the most important winter feed for horses? (HIH420-1)

- a. oats                      b. beet pulp                      c. corn                       d. hay

84. A mature, idle, average condition 1000 pound horse will eat how much hay per day? (HIH420-2)  
a. 15 pounds      b. 30 pounds      c. 40 pounds      d. 50 pounds
85. Feed given to horses should be measured by what? (HIH710-5)  
a. volume      b. weight      c. brand      d. size
86. How much water will a 1000 pound horse drink per day? (HIH710-7)  
a. 2 gallons      b. 6 gallons      c. 10 gallons      d. 16 gallons
87. Hay that is stored over a long period of time will lose what essential vitamin? (HIH750-9)  
a. A      b. B      c. C      d. D
88. Which is not considered one of the five main nutrients for horses? (HIH760-1)  
a. protein      b. oxygen      c. vitamins      d. minerals

**Gaits** - Fill in the number of beats in each of the following gaits (H173-178)

89.   2   Extended Trot (Horse 173)      92.   4   Paso Largo (Horse 178)  
90.   4   Amble (Horse 178)      93.   2   Jog (Horse 175)  
91.   2   Pace (Horse 175)      94.   4   Slow Gait (Horse 178)

**Internal and External Parasites** - tell whether the following are internal (**I**) or external (**E**) parasites (HIH 415-1 through 430-2)

95.   E   Lice (HIH415-6)      98.   E   Ticks (HIH415-7)  
96.   E   Mites (HIH415-8)      99.   I   Pinworms (HIH430-2)  
97.   I   Stomach Bots (HIH430-3)      100.   E   Bot Flies (HIH415-5)

Sources:

HIH - Horse Industry Handbook by American Youth Horse Council  
Horse - The Horse, 2<sup>nd</sup> edition by Evans, Borton, Hintz, and Van Vleck  
HA - Horse Anatomy, A Coloring Atlas by Kainer and McCracken  
Equus - Equus Magazine Glossary