

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, 2nd edition by Evans, Borton, Hintz, and Van Vleck
HA - Horse Anatomy, A Coloring Atlas by Kainer and McCracken
Equus - Equus Magazine Glossary