

## PRACTICE HIPPOLOGY WRITTEN EXAM #2

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

1. \_\_\_\_\_ Black mane and tail A. Dun
2. \_\_\_\_\_ Flaxen mane and tail B. Red Roan
3. \_\_\_\_\_ Dorsal and zebra stripes C. Sorrel
4. \_\_\_\_\_ 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?  
a. Arabian                      b. Paso Fino                      c. Appaloosa                      d. Paint
6. What breed originated in the Shetland Isles of Scotland?  
a. Welsh                      b. Shetland pony                      c. Icelandic ponies                      d. POA's
7. What breed is represented by the Jockey Club?  
a. Thoroughbred                      b. Clydesdale                      c. Trotting Horse                      d. Welsh
8. What breed originated in Ireland and is known for its jumping ability?  
a. Connemera                      b. Cob                      c. Trakehner                      d. Gotland
9. What breed was once called the American Trotting Horse?  
a. Fox Trotter                      b. Hackney                      c. Standardbred                      d. Spanish Barb
10. What breed of horse **did not** originate in Germany?  
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. \_\_\_\_\_ Optic Nerve A. Moves Muscles of the Tongue
12. \_\_\_\_\_ Olfactory Nerve B. Sense of Smell
13. \_\_\_\_\_ Vestibulocochlear Nerve C. Vision
14. \_\_\_\_\_ Hypoglossal Nerve D. Hearing and Balance
15. \_\_\_\_\_ Oculomotor Nerve E. Moves Eye Muscles

**ABC's** - Fill in the correct word that begins with the underlined letter (Equus 4,8, 12/02, & 2/03)

16. The wasting away of a body part or tissue is called A\_\_\_\_\_.
17. Able to survive or function where there is no oxygen A\_\_\_\_\_.
18. Fluid secreted by the liver that goes into the small intestine and aids in digestion B\_\_\_\_\_.
19. The large pouch between the small and large intestines C\_\_\_\_\_.
20. Abdominal pain C\_\_\_\_\_.
21. To cut away dead or damaged tissue D\_\_\_\_\_.
22. The abnormal collection of fluid in body tissues that causes soft swelling E\_\_\_\_\_.
23. The lower jawbone M\_\_\_\_\_.
24. Also known as the windpipe T\_\_\_\_\_.

**Know Your Horses** - Circle the correct answer (HIH)

25. Which is not a type of equine encephalitis?  
a. northern                      b. eastern                      c. western                      d. venezuelan
26. How many pairs of chromosomes does the horse have?  
a. 16                                  b. 32                                  c. 48                                  d. 64
27. What term refers to paired genes that are identical?  
a. mitosis                              b. meiosis                              c. heterozygous                      d. homozygous
28. Which is NOT a type of negative reinforcement?  
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?  
a. 30                                      b. 45                                      c. 70                                      d. 100
30. How many pounds of manure will a healthy horse produce in 24 hours?  
a. 45 pounds                      b. 65 pounds                      c. 20 pounds                      d. 5 pounds
31. Which of the following is **not** a type of colic?  
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?  
a. infection                              b. immunization                      c. lacerations                      d. vaccinations
33. Rabies vaccinations should be given to horses:  
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?  
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. \_\_\_\_\_ Carpal Bones
- 36. \_\_\_\_\_ Distal Phalanx
- 37. \_\_\_\_\_ Humerus
- 38. \_\_\_\_\_ Metacarpal Bone
- 39. \_\_\_\_\_ Radius

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

- 40. \_\_\_\_\_ The muscles surrounding the left ventricle are much stronger than those surrounding the right ventricle.
- 41. \_\_\_\_\_ The horse belongs to the class Animalia.
- 42. \_\_\_\_\_ Bones of the horse are classified as long, short, flat, and irregular.
- 43. \_\_\_\_\_ The skeleton of the horse is made up of 213 bones.
- 44. \_\_\_\_\_ The tidal volume is the volume of air inspired or expired during each breathing cycle.
- 45. \_\_\_\_\_ The epidermal layer of skin contains arteries, veins, and hair follicles.
- 46. \_\_\_\_\_ Most food will pass through the digestive system within 65 to 75 hours after ingestion.
- 47. \_\_\_\_\_ Iodine is a trace nutrient.
- 48. \_\_\_\_\_ The color palomino results from a dilution of the chestnut gene.
- 49. \_\_\_\_\_ The hoof knife is used to clean rocks and dirt from the hoof.

**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?  
a. clips                      b. webs                      c. fullerings                      d. pitch
- 51. What type of shoe enhances leg action and motion of the horse?  
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?  
a. nippers                      b. rasp                      c. clinchers                      d. pritchel
- 53. What vitamin is necessary for the growth and development of normal hoofs?  
a. A                      b. B                      c. C                      d. D
- 54. What material is preferred for jumping and reining shoes to decrease fatigue?

- a. iron                      b. steel                      c. aluminum                      d. copper

55. Thrush is usually found where on the hoof?

- 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?

- a. sole                      b. hoof wall                      c. frog                      d. white line

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

57. \_\_\_\_\_ a lack of this results in muscular dystrophy in young horses

A. Iron

58. \_\_\_\_\_ helps build cartilage

B. Manganese

59. \_\_\_\_\_ lost when horses sweat

C. Iodine

60. \_\_\_\_\_ required for hemoglobin to transport oxygen in blood

D. Selenium

61. \_\_\_\_\_ 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? \_\_\_\_\_

63. How many inches tall is a horse that is 13.2 hands? \_\_\_\_\_

64. How many hands is a horse that is 48 inches tall? \_\_\_\_\_

65. How many hands is a horse that is 71 inches tall? \_\_\_\_\_

**Healthy Horses** - Circle the correct answer (Equus 12/02 and 2/03)

66. Which term refers to the therapeutic rinsing with large volumes of fluid?

- 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?

- 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?

- a. Bort                      b. Bite                      c. Bute                      d. Bait

69. Which term is NOT associated with swelling or inflammation?

- a. Encephalitis                      b. Enterolith                      c. Edema                      d. Scratches

70. Which is **NOT** a type of white blood cell?

- a. Neutrophil      b. Basophil      c. Monocyte      d. Leukophil

71. Where on the horse are the guttural pouches located?

- 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. \_\_\_\_\_ Clitoris

75. \_\_\_\_\_ Prepuce

73. \_\_\_\_\_ Seminal Vesicle

76. \_\_\_\_\_ Fallopian Tube

74. \_\_\_\_\_ Cervix

77. \_\_\_\_\_ Scrotum

**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. \_\_\_\_\_ Shoulder

A. Digital Extensor

79. \_\_\_\_\_ Gaskin

B. Masseter

80. \_\_\_\_\_ Cheek

C. Cervical Ventral Serrated

81. \_\_\_\_\_ Barrel

D. External Abdominal Oblique

82. \_\_\_\_\_ 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?

- 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?

- a. 15 pounds      b. 30 pounds      c. 40 pounds      d. 50 pounds

85. Feed given to horses should be measured by what?

- a. volume      b. weight      c. brand      d. size

86. How much water will a 1000 pound horse drink per day?

- 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?

- a. A      b. B      c. C      d. D

88. Which is not considered one of the five main nutrients for horses?

- a. protein      b. oxygen      c. vitamins      d. minerals

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

89. \_\_\_\_\_ Extended Trot

92. \_\_\_\_\_ Paso Largo

90. \_\_\_\_\_ Amble

93. \_\_\_\_\_ Jog

91. \_\_\_\_\_ Pace

94. \_\_\_\_\_ Slow Gait

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

95. \_\_\_\_\_ Lice

98. \_\_\_\_\_ Ticks

96. \_\_\_\_\_ Mites

99. \_\_\_\_\_ Pinworms

97. \_\_\_\_\_ Stomach Bots

100. \_\_\_\_\_ Bot Flies

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 from 4/02 to 3/03