



- B 13. Bones are held together by  
a. Tendons      b. Ligaments      c. Muscle      d. Nerves
- D 14. Why is molasses commonly added to horse feed?  
a. Reduce dustiness      b. Tastes good  
c. Prevents ingredient separation      d. All of these reasons
- A 15. Ring bone is new bone growth located where?  
a. Phalanges      b. Cannon Bone      c. Hock      d. Withers
- D 16. Which of the following mineral supplements would be most appropriate to overcome a calcium deficiency?  
a. Dicalcium Phosphate      b. Trace Mineral Salt  
c. Magnesium Oxide      d. Limestone
- B 17. How much total feed (dry matter) would you expect a mature, 1100 pound horse to eat each day?  
a. 15 pounds      b. 25 pounds      c. 35 pounds      d. 45 pounds
- B 18. The trait carried by a recessive gene will only be expressed when the animal  
a. produces offspring      b. is homozygous  
c. reaches maturity      d. is stressed
- C 20. Which of the following is not a part of three-day eventing?  
a. dressage      b. cross-country riding      c. harness racing      d. stadium jumping
- A 21. Which of the following breeds has a color requirement for registration?  
a. Appaloosa      b. Morgan      c. Arabian      d. Belgian
- B 22. At which stage of production does a mature horse have the lowest nutrient requirement?  
a. Lactation      b. Maintenance      c. Gestation      d. Medium Work
- D 23. How much grain must be fed in addition to a full feed of good quality grass-legume hay to meet this lowest nutrient requirement?  
a. 3 pounds      b. 6 pounds      c. 10 pounds      d. None
- B 24. The process of releasing an egg from the ovary is called  
a. reproduction      b. ovulation      c. fertilization      d. parturition

Circle one letter for answer for each question.

1. The male parent is called the a. G2  
a. sire                                  b. dam                                  c. get
2. Which breed is noted for harness racing? G5  
a. Standardbred                          b. Thoroughbred                          c. Palomino
3. The trot is a rapid \_\_\_\_\_ diagonal gait. G16  
a. one beat                  b. two beat                  c. three beat                  d. four beat
4. The striking of the forefoot with the toe of the hindfoot is called \_\_\_\_\_ . G12  
a. Winging                          b. Paddling                          c. Forging
5. The skewbald will be black and white. G8  
a. True                                  b. False
6. Which bridle will have both a curb bit and a snaffle bit? G24  
a. Weymouth                          c. Bosal hackamore  
b. Western split-eared bridle
7. The \_\_\_\_\_ side of the horse is known as the far side. G46  
a. right                                  b. left
8. Line the following bones up - top to bottom by listing left to right. G37  
a. cannon bone    long pastern    short pastern    coffin  
b. long pastern    cannon bone    short pastern    coffin  
c. short pastern    long pastern    cannon bone    coffin
9. A chukker lasts or runs for \_\_\_\_\_ minutes. G45  
a. 5 1/2                  b. 6 1/2                  c. 7 1/2                  d. 8 1/2
10. Which was the smallest? B2  
a. Eohippus                          b. Mesohippus                          c. Equus
11. At separate times the horse can have either monocular or binocular vision. B3  
a. True                                  b. False
12. The front legs of the horse are not attached to the main skeleton by any joints. B4  
a. True                                  b. False

13. The permanent laterals (teeth) erupt at \_\_\_\_ years of age. B13  
 a. 1 ½ to 2 ½    c. 3 ½ to 4    b. 2 ½ to 3    **d. 4 ½ to 5**
14. The mating of a black stallion (BB) to a Red Mare (bb) would result in \_\_\_\_\_. B21  
**a. All foals would be black with a recessive gene for red (Bb)**  
 b. All foals would be red  
 c. All foals would be black with a dominant gene for red (bb)  
 d. One half of the foals would be black and one half of the foals would be red.
15. As a forage plant grows older and older, it becomes more leafy, and less fibrous, and more digestible. B29  
 a. True    **b. False**
16. Rank the following feeds for percent protein (highest to lowest) (left to right). B32  
**a. Soybean oil meal    linseed meal    oats    corn**  
 b. Soybean oil meal    linseed meal    corn    oats  
 c. Linseed meal    Soybean oil meal    oats    corn  
 d. Corn    Oats    Soybean oil meal    Linseed meal
17. Bones are held together by \_\_\_\_\_. (H1) p182, (H2) p90  
**a. ligaments**    b. tendons
18. The canine teeth erupt at around \_\_\_\_ years of age. (H1) p184, (H2) p92  
 a. 2 1/2    b. 3 1/2    **c. 4 to 5**
19. \_\_\_\_\_ is a habit of force-swallowing gulps of air. (H1) p234, (H2) p183  
 a. Roaring    b. Heaving    **c. Cribbing**    d. Nipping
20. The primary site of protein digestion is in the \_\_\_\_\_. (H1) p249, (H2) p198  
 a. stomach    **b. small intestine**    c. large intestine    d. cecum
21. The ovum migrates to the uterus \_\_\_\_ days after fertilization. (H1) p373, (H2) p320  
**a. 4-6**    b. 10-15    c. 25-30
22. The trapezius muscle is located in the hind quarter (rear end) of the horse. (H1) p191, (H2) p 100  
 a. True    **b. False**
23. \_\_\_\_\_ is an acute contagious disease caused by infection with Streptococcus equi. (H1) p557, (H2) p596  
 a. Septicemia    **b. Strangles**    c. Pneumonia
24. The creep ration for foals should contain approximately \_\_\_\_\_ percent protein. (H1) p304, (H2) p262  
 a. 5-9    **b. 18-20**    c. 90-95
25. Which one of the following is not a legume? (H1) p294, (H2) p255  
 a. alfalfa    c. clover    e. lespedeza  
**b. fescue**    d. birdsfoot trefoil

Write the letter of the most correct answer in the space provided.

- \_\_\_\_\_ 1. Which term is a conformational criticism? (green, 14)  
a. sloping shoulder                      b. long neck  
c. short back                              d. long cannon
- \_\_\_\_\_ 2. Exercise and work causes this end product of muscle metabolism, that is associated with fatigue. (Horse, 101)  
a. glycerol                                  b. fatty acids  
c. lactic acid                                d. protein
- \_\_\_\_\_ 3. A deficiency in which mineral results in rickets in young horses? (Horse, 229)  
a. phosphorus                              b. potassium  
c. manganese                               d. magnesium
- \_\_\_\_\_ 4. "Rotation" occurs in a foundered horse when: (Horse, 298)  
a. the coffin bone drops                  b. the tendon snaps  
c. The navicular bone twists            d. the short pastern cracks
- \_\_\_\_\_ 5. How many teats does a mare have? (Horse, 322)  
a. one                                        b. two  
c. three                                      d. four
- \_\_\_\_\_ 6. An inflammation and enlargement of the flexor tendons at the back of the front cannons is called?: (Horse, 160)  
a. Bucked shins                            b. Sesamoiditis  
c. Bowed tendons                         d. Osselets
- \_\_\_\_\_ 7. All but one of the following should occur within the first 2 hours after birth. (Circle incorrect answer) (Horse, 427)  
a. foal stands and nurses                b. placenta is expelled  
c. navel dipped in tincture of iodine    d. vaccinate for diseases
- \_\_\_\_\_ 8. An acute contagious disease affecting the lymphatic and respiratory systems caused by *Streptococcus equi* is called: (Horse, 596)  
a. enteritis                                 b. strangles  
c. septicemia                                d. influenza
- \_\_\_\_\_ 9. A disease demonstrated by high fever, nasal discharge, and coughing caused by type 1, 2, or 3 herpes virus is called: (Horse, 598)  
a. pneumonia                              b. strangles  
c. EVR                                        d. heaves
- \_\_\_\_\_ 10. Denervation of the muscle tissue causes: (Horse, 104)  
a. atrophy                                    b. azoturia  
c. shivering                                 d. tendinitis
- \_\_\_\_\_ 11. Genetic material is transmitted from the parents to their offspring in which of the following? (Horse, 447)  
a. hybrids                                    b. heterozygous  
c. chromosomes                             d. phenotypes
- \_\_\_\_\_ 12. Which of these is not used to manipulate the estrous cycle? (Horse, 399)  
a. Human Chorionic Gonadotropin      b. Prostaglandin  
c. Blanketing and heat                    d. Artificial Lights

- \_\_\_\_\_ 13. Breeding season usually begins in (Horse, 786)  
 a. February b. May  
 c. August d. November
- \_\_\_\_\_ 14. Which of the following is not part of the equine skeleton? (Horse, 689)  
 a. radius b. metacarpal  
 c. sesamoid d. trapezius cervicis
- \_\_\_\_\_ 15. A very poor source of bedding is: (Horse, 819)  
 a. wheat straw b. oat straw  
 c. wood shavings d. sand
- \_\_\_\_\_ 16. The Bloodstock Research Statistical Bureau provides information on: (Horse, 823)  
 a. Quarter Horses b. Morgans  
 c. American Saddlebreds d. Thoroughbreds
- \_\_\_\_\_ 17. Training enhances many key systems in the horse. Which system is conditioned the slowest? (Horse, 111)  
 a. Skeletal b. Cardiovascular  
 c. Respiratory d. Muscular
- \_\_\_\_\_ 18. From the outside of the hoof to the inside which of the following is the correct order of structural parts. (Horse, 694)  
 a. stratum tectorium, hoof wall, horny laminae, sensitive laminae, coffin bone  
 b. sensitive laminae, hoof wall, horny laminae, palmar arch  
 c. hoof wall, horny laminae, stratum tectorium, subscapular sesmoid  
 d. none of the above
- \_\_\_\_\_ 19. Which of the following is not toxic to horses. (Horse, 310)  
 a. Bracken fern b. Japanese yew  
 c. Red maple d. All are toxic
- \_\_\_\_\_ 20. The equine fetus attaches to the uterine wall at (Horse, 340)  
 a. does not attach b. 335 days  
 c. 40 days d. the pharynx
- \_\_\_\_\_ 21. Recurrent Uveitis is also know as? (Horse, 521)  
 a. Habronemiasis b. Rhinopneumonitis  
 c. Equine Periodic Ophthalmia d. Equine Viral Arteritis
- \_\_\_\_\_ 22. Big head disease is caused by: (Horse, 228)  
 a. too many blue ribbons b. parasites  
 c. high phosphorus, low calcium d. high calcium, low phosphorus
- \_\_\_\_\_ 23. Which of the following is not a Warmblood horse? (Horse, 74)  
 a. Trakehners b. Holstein  
 c. Hanoverians d. Guernsey
- \_\_\_\_\_ 24. Metabolic Bone Disease or Developmental Orthopedic Disease includes the following conditions or diseases. (Horse, 265)  
 a. Gasterophilus, Parascaris, Cyathostominosis ecdysis  
 b. CEM, EVA, EIA, EVA  
 c. Arteriosclerosis, physitis, metritis, epistasis  
 d. Osteochondrosis, physitis, fexural deformities, Cervical vertebral malformation
- \_\_\_\_\_ 25. Roughages are good sources of: (Horse, 258)  
 a. sodium chloride, copper, fatty acids b. Calcium, potassium, magnesium  
 c. Phosphorus, legumes, lysine d. Alkaloids, thiaminase, glycosides