

Contestant ID:	Contestant Name:	2 points/correct answer (200)
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## 2011 NYS 4H Hippology Contest

### *Junior Written Examination*

Place the letter of the best answer for each question on the answer sheet provided

1. Veins differ from arteries in that they:
  - A. have thicker walls
  - B. don't usually have valves
  - C. have valves, the cusps which direct blood away from the heart
  - D. contain a larger volume of blood
  
2. The \_\_\_\_\_ is the junction of the skin and the soft horn of the periople.
  - A. Coronet
  - B. heel
  - C. quarter
  - D. toe
  
3. \_\_\_\_\_ is a chronic infection of the frog in which dark, foul-smelling dead tissue occurs in the central and collateral grooves.
  - A. White line disease
  - B. Navicular disease
  - C. Laminitis
  - D. Thrush
  
4. Appaloosas are commonly referred to as what type of breed?
  - A. stock horse
  - B. performance horse
  - C. sporthorse
  - D. halter horse
  
5. A hog's back is:
  - A. a type of jump
  - B. a type of rope
  - C. a type of saddle
  - D. a type of saddle pad
  
6. A Trakehner is a type of what kind of horse?
  - A. gaited
  - B. stock
  - C. sport
  - D. draft
  
7. What breeds are allowed to compete in Dressage?
  - A. warmblood
  - B. any
  - C. Thoroughbred
  - D. Trakehner
  
8. What is not an important criteria to consider when selecting bedding?
  - A. ease of handling
  - B. availability and price
  - C. absorption
  - D. aesthetic qualities
  
9. Which type of use is Board Fencing not ideal for?
  - A. mares and Foals
  - B. stallion Fencing
  - C. show and Sale Horse Paddocks
  - D. arenas
  
10. Correctly composting manure will **NOT**:
  - A. kill fly eggs
  - B. kill weed seeds
  - C. kill larvae
  - D. Remove organic matter
  
11. When is the mare in anestrus?
  - A. during the winter or shorter daylight hours
  - B. during the summer or longer daylight hours
  - C. during an equinox or when light and dark are the same length
  - D. during show season
  
12. What portion of the hoof should never directly bear weight?
  - A. frog
  - B. sole
  - C. hoof wall
  - D. laminae

13. Horses of which coat color are more commonly prone to melanomas?
- Cremello horses
  - Grey horses
  - Perlino horses
  - Arabians
14. How many minutes does one chukker last?
- 5.3 minutes
  - 9 minutes
  - 7.5 minutes
  - 15 minutes
15. Another name for septicemia is:
- blood poisoning
  - urinary Tract Infection
  - heaves
  - pneumonia
16. What portion of the hoof does an egg bar shoe support?
- quarter
  - toe
  - heel
  - wall
17. The process of desensitization of a foal is known as what?
- natural horsemanship
  - imprint training
  - normal training
  - rational training
18. Hyperthermia is a term used to indicate what condition of a horse?
- freezing
  - getting used to a new climate
  - overheating
  - exhaustion
19. Moon blindness is also called:
- equine periodic ophthalmia
  - cataract
  - blindness
  - glass-eyes
20. The most important muscle responsible for respiration is:
- diaphragm
  - intercostal muscles
  - lungs
  - abdominal muscles
21. What is the name of the substance consumed by a foal that can act as a laxative to eliminate the meconium?
- Iodine
  - Streptomycin
  - Colostrum
  - Immunoglobulins
22. A \_\_\_\_\_ is a white patch between the nostrils.
- bald face
  - star
  - stripe
  - snip
23. The most common cause of wobbler syndrome is malformation of certain \_\_\_\_\_ vertebrae.
- lumbar
  - thoracic
  - cervical
  - sacral
24. The second cervical vertebrae is known as the \_\_\_\_\_.
- axis
  - atlas
  - caudal
  - dens
25. The horse has \_\_\_\_\_ pairs of ribs.
- 15
  - 18
  - 13
  - 20
26. Initial domestication of horses occurred in which places between 2500 B.C and 4500 BC
- China and Poland
  - China and Mesopotamia
  - Spain and France
  - France and India
27. What is the name of the groove on the horse's upper incisors that can be used to tell a horse's age from 10-30 years?
- Cantanda's groove
  - Galvayne's groove
  - tuberosity groove
  - Sudden's groove

28. Why can a horse's teeth only offer an "estimate" of age?

- A. environmental conditions
- B. breed differences
- C. horses lose teeth too often
- D. genetic conditions may impede tooth growth

29. Which of the following is not a joint of the front limb?

- A. carpus
- B. pastern
- C. coffin
- D. hock

30. The largest tissue mass in the horse's body is:

- A. skin
- B. muscle
- C. intestines
- D. blood

31. What is the name of the blemish caused by thickening of the plantar ligament?

- A. curb
- B. wind gall
- C. windpuffs
- D. bursitis

32. What is the name of the organelle in muscle tissue responsible for ATP production?

- A. lysosomes
- B. mitochondria
- C. endoplasmic reticulum
- D. golgi body

33. What is the name of the cartilaginous flap that covers the trachea during swallowing?

- A. larynx
- B. pharynx
- C. epiglottis
- D. arytenoid

34. Geophagia is the act of eating:

- A. dirt
- B. wood
- C. feces
- D. hair

35. Cross-firing is when:

- A. the forefoot on one side strikes the other forefoot
- B. the hindfoot on one side strikes the other hindfoot
- C. the hindfoot on one side strikes the forefoot on the same side
- D. the hindfoot on one side strikes the diagonal forefoot

36. The hip joint is an example of a \_\_\_\_\_ joint.

- A. ball-and-socket
- B. hinge
- C. pivot
- D. plane

37. The radius combines with what bone to form the forearm?

- A. scapula
- B. humerus
- C. ulna
- D. knee

38. What is the common name for the outer coverings of grains?

- A. hulls
- B. shells
- C. meal
- D. holes

39. The cannon bone is also known as the \_\_\_\_\_

- A. second metacarpal
- B. third metacarpal
- C. fourth metacarpal
- D. third metatarsal

40. The coffin bone is also known as the \_\_\_\_\_

- A. middle phalanx
- B. first phalanx
- C. distal sesamoid
- D. third phalanx

41. How are horses infected with strongyloides?

- A. mare's milk
- B. grass
- C. feces
- D. contaminated water

42. What is the name of the Australian wild horse?

- A. bambi
- B. brumby
- C. australian mustangs
- D. aborigines

43. The word "bactericidal" means:

- A. able to kill bacteria
- B. able to stop the growth of bacteria
- C. able to multiply bacteria
- D. able to identify bacteria

44. The cowboy in steer wrestling that rides on the opposite side of the steer that is being wrestled is called:

- A. bulldog
- B. hazer
- C. bull fighter
- D. heeler

45. The offspring of a female donkey bred to a male horse is called:

- A. mule
- B. jack
- C. jenny
- D. hinny

46. A hog's back is:

- E. a type of jump
- F. a type of rope
- G. a type of saddle
- H. a type of saddle pad

47. The equipment used to determine the angle of the hoof relative to the ground is:

- A. hoof pick
- B. hoof tester
- C. hoof gauge
- D. hoof nipper

48. A maiden mare is one that:

- A. is unable to get in foal
- B. has never been bred
- C. has aborted recently
- D. was not bred during the last season

49. A bay horse with 2 cream dilution genes will be:

- A. cremello
- B. brown
- C. buckskin
- D. perlino

50. Thickening caused by inflammation of a flexor tendon is commonly called a \_\_\_\_\_ and occurs most frequently in the superficial digital flexor tendon.

- A. splint
- B. curb
- C. bog spavin
- D. bowed tendon