

2017 NC State Hippology Contest Junior Written Exam (200 points = 4 pts/question)

Name \_\_\_\_\_ Contestant ID # \_\_\_\_\_

**Directions:** Please bubble your answers on the **BLUE** side of your scantron sheet **be sure to bubble in your contestant number in the student ID section.** Please circle your answers on this test and turn it in with your completed scantron. You can make other marks on this test if you wish.

---

1. What do the 4 H's stand for in 4-H?  
A. Hoof, Hock, Heart, Hands  
C. Hope, Heart, Horsemanship, Help  
B. **Head, Heart, Hands, Health**  
D. Help, Head, Health, Horseman
  
2. Which of the following is **NOT** a term used to describe a horse's tail?  
A. Flaxen  
C. Rat  
B. Broom  
D. **Mealy**
  
3. When judging a conformation class, what criteria refers to how the horse "fits together" and also how well it is divisible into three (3) equal parts (front, middle, hind)?  
A. Structural Correctness  
C. **Balance**  
B. Muscling  
D. Breed Character
  
4. If a horse is called "three-gaited," what three (3) gaits does it perform?  
A. Flat walk, Running Walk, Canter  
C. Walk, Pace, Gallop  
B. Paso Fino, Paso Corto, Paso Fargo  
D. **Walk, Trot, Canter**
  
5. In Equitation, or the art of riding horseback, there are three (3) basic styles. Which of the following is **NOT** a style of equitation?  
A. Stock Seat  
C. Saddle Seat  
B. Hunter Seat  
D. **English Seat**
  
6. Which of the following terms is a bitless bridle that works by pressure exerted on the underside of the jaw?  
A. **Hackamore**  
C. Kimerwicke  
B. Pelham  
D. Snaffle
  
7. What do you call a disease of the frog of the horse's foot, which is usually caused by wet or unsanitary conditions?  
A. Founder  
C. Scratches  
B. **Thrush**  
D. Navicular
  
8. Which of the following pieces of grooming equipment is hard bristled and used to remove excess hair and lose dirt?  
A. Grooming cloth  
C. Sweat scraper  
B. Body brush  
D. **Dandy brush**
  
9. In which class is the exhibitor judged on their ability to show a horse at halter?  
A. Horsemanship  
C. **Showmanship**  
B. Equitation  
D. Gymkhana

10. Name the tendon that is attached to the coffin bone and hoof, which flexes the hoof for each step of locomotion.
- A. Plantar
  - B. Deep flexor
  - C. Suspensory
  - D. Palmar
11. Which ancestor of the horse was 12 inches high and had four toes on each front foot and three toes on each hind foot?
- A. Eohippus
  - B. Mesohippus
  - C. Pliohippus
  - D. Equus
12. Horses tend to shy at unfamiliar objects. This is most likely due to which sense being faulty?
- A. Smell
  - B. Hearing
  - C. Sight
  - D. Touch
13. In a steep shouldered horse, the arm does not extend very far forward during movement. What effect does this have on a horse's movement?
- A. It creates a longer, freer stride
  - B. It allows for a smoother stride
  - C. It creates a shorter stride
  - D. It allows for greater extension at the trot
14. What term refers to a decrease in the size of a muscle or group of muscles?
- A. Atrophy
  - B. Fistula
  - C. Quittor
  - D. Spavin
15. A horse has a complete set of permanent incisors at what age?
- A. 10 years
  - B. 5 years
  - C. 18 months
  - D. 12 months
16. When predicting horse coat colors, scientists use letters to represent genes. What does a capital letter (B) mean about a gene?
- A. It came from the sire
  - B. It is recessive
  - C. It is dominant
  - D. It came from the dam
17. What are the names of the cells that contain the genetic material that an animal inherits from its parents?
- A. Leukocytes and Lymphocytes
  - B. Sperm and Egg
  - C. Villi and Cilia
  - D. DNA and Plasma
18. Progesterone, Testosterone, Prolactin and Estrogen are examples of...
- A. Enzymes
  - B. Steroids
  - C. Dewormers
  - D. Hormones
19. The process of gestation in the mare typically takes...
- A. 180 days
  - B. 250 days
  - C. 340 days
  - D. 405 days

20. Which statement about the horse's stomach is **TRUE**?
- A. It is very large and can hold 6 gallons
  - B. It is very similar to a cow's stomach
  - C. It is between the small intestine and colon
  - D. **It secretes acids and enzymes**
21. What is the primary energy nutrient for the horse?
- A. **Carbohydrates**
  - B. Protein
  - C. Minerals
  - D. Vitamins
22. Which vitamin is required for eye function, bone development and proper formation of cells?
- A. Vitamin K
  - B. Vitamin C
  - C. Vitamin E
  - D. **Vitamin A**
23. Which of these hays would be highest in protein, energy, calcium and phosphorus?
- A. Timothy
  - B. Fescue
  - C. **Alfalfa**
  - D. Bermuda
24. Soybean meal, cottonseed meal, peanut meal and linseed meal are all examples of what type of concentrate?
- A. **Protein supplement**
  - B. Sorghum grain
  - C. Mineral supplement
  - D. Mixed feed
25. Which of these diseases is caused by a bloodsucking insect?
- A. **Equine Encephalitis**
  - B. Tetanus
  - C. Strangles
  - D. Equine Influenza
26. *Gastrophilus intestinalis* or the common bot fly lays eggs on which part of the horse?
- A. Chin and throat
  - B. Nostrils and lips
  - C. **Legs and chest**
  - D. Croup and tail
27. Horses that rub their tail area against posts and other objects might have what type of parasite infestation?
- A. Blood worms
  - B. Bots
  - C. Threadworms
  - D. **Pinworms**
28. Which of the following is one of the variations to the basic coat colors of the horse?
- A. Bay
  - B. White
  - C. **Grey**
  - D. Chestnut
29. Which coat color is also the name of a breed and its ideal color description is a "newly minted copper coin?"
- A. Pinto
  - B. Appaloosa
  - C. Buckskin
  - D. **Palomino**

30. Which face marking is described as a small patch of white that runs over the muzzle, often to the lips?
- A. Flame
  - B. Snip
  - C. Star
  - D. Blaze
31. When tying a horse to a post or other object, what type of knot should be used?
- A. Bowline
  - B. Cinch
  - C. Quick-release
  - D. Figure-eight
32. Which type of saddle has these parts: billets, padded knee roll, cantle, stirrup iron?
- A. Pack saddle
  - B. Western saddle
  - C. Cut back saddle
  - D. Hunt seat saddle
33. Which gait has this footfall sequence: step 1: Right hind; step 2: Left hind and right front at the same time; step 3: Left front (lead foot)?
- A. Canter
  - B. Trot
  - C. Running walk
  - D. Pace
34. If a horse is 16 hands, how tall is it in inches?
- A. 54 inches
  - B. 60 inches
  - C. 64 inches
  - D. 70 inches
35. What is the recommended size for a horse stall?
- A. 8 feet by 8 feet
  - B. 12 feet by 12 feet
  - C. 14 feet by 14 feet
  - D. 16 feet by 16 feet
36. In the zoological classification of the horse, to which species does the horse belong?
- A. Animalia
  - B. Mammalia
  - C. Equidae
  - D. Equus caballus
37. A female donkey is known as a...
- A. Jack
  - B. Burro
  - C. Jennet
  - D. Brumby
38. What is the universal birthday of all horses?
- A. December 31
  - B. January 1
  - C. January 31
  - D. February 1
39. What part of the horse is between the poll and the withers?
- A. Loin
  - B. Stifle
  - C. Crest
  - D. Heart girth

40. Which of the following is a **MACRO** mineral?  
A. Calcium  
B. Copper  
C. Cobalt  
D. Iron
41. The normal pulse or heart rate of the horse is...  
A. 8-16 beats per minute  
B. 99-101 beats per minute  
C. 35-45 beats per minute  
D. 70-90 beats per minute
42. Diseases that can be spread from one animal to another through exposure to the ill animal itself, through its body secretions or to a wound or sore are known as...  
A. Infectious  
B. Contagious  
C. Congenital  
D. Systemic
43. Which equine disease is spread by ticks?  
A. Strangles  
B. Lyme  
C. Equine Infectious Anemia  
D. Tetanus
44. Which directional term means "towards the horse's head?"  
A. Caudal  
B. Distal  
C. Ventral  
D. Cranial
45. How many thoracic vertebrae does the horse have?  
A. 7  
B. 18  
C. 6  
D. 5
46. Which muscle is found in the neck?  
A. Trapezius  
B. Triceps  
C. Pectorals  
D. Masseter
47. Pulmonary refers to which organ?  
A. Lungs  
B. Small intestine  
C. Kidney  
D. Liver
48. Which part of the horse contains the sclera, pupil and cornea?  
A. Uterus  
B. Heart  
C. Eye  
D. Lung
49. Which breed of horse performs at the Spanish Riding School?  
A. Paso Fino  
B. Lippizzaner  
C. Luistano  
D. Hanoverian
50. Which breed of horse is the oldest and purest of all breeds?  
A. Thoroughbred  
B. Arabian  
C. Quarter Horse  
D. Morgan

