

**2013 New York State Hippology Contest Junior Written Exam***Write your answers on the answer sheet, not on this paper.*

1. What is the vector for Lyme's disease?
  - a. Possums
  - b. Nose to nose contact
  - c. Ticks
  - d. Contaminated water
2. What is the average stride length for the horse's canter or lope?
  - a. 6 feet
  - b. 12 feet
  - c. 4 feet
  - d. 18 feet
3. Which is not a symptom of healthy mucus membranes?
  - a. Moist
  - b. Pink
  - c. Cold
  - d. Quick capillary refill
4. What is the normal length of gestation in the mare?
  - a. 335 to 350 days
  - b. 350 to 365 days
  - c. 115 to 175 days
  - d. 210 to 250 days
5. Why is lime added to pastures or hayfields?
  - a. Increase soil acidity
  - b. Increase moisture content
  - c. Reduce soil acidity
  - d. Reduce phosphorus levels
6. What separates the sole from the hoof wall?
  - a. The white line
  - b. The frog
  - c. The bar
  - d. The apex of the frog
7. How much time do horses typically spend grazing if housed on pasture full time?
  - a. 3 to 6 hours/day
  - b. 5 to 10 hours/day
  - c. 10 to 17 hours/day
  - d. 21 to 24 hours/day
8. Which discipline does the training technique "breezing" apply to?
  - a. Cutting
  - b. Dressage
  - c. Hunting
  - d. Racing
9. The gaskin is located between which two joints of the horse's rear leg?
  - a. Hock and Pastern
  - b. Hip and Stifle
  - c. Stifle and Hock
  - d. Elbow and Knee
10. What is the most important step to parasite control?
  - a. Let horses have access to natural water supplies
  - b. Use fly spray
  - c. Deworm your horses once a year
  - d. Sound manure management
11. What breed of draft horse originated in Lincolnshire, England?
  - a. Percheron
  - b. Clydesdale
  - c. Belgian
  - d. Shire
12. Monocular vision allows horses to do what?
  - a. Judge distances
  - b. See directly in front of the head
  - c. See areas to each side of the body
  - d. See in color
13. How many **pairs** of chromosomes does a horse have?
  - a. 26
  - b. 32
  - c. 64
  - d. None of the above
14. What is the term for deficiency of hemoglobin?
  - a. Anemia
  - b. Enterotoxemia
  - c. Hypertipemia
  - d. Hypohemonemia
15. How many teeth does a male horse generally have?
  - a. 20 to 22
  - b. 30 or 32
  - c. 36 or 38
  - d. 40 or 42
16. What condition does a horse known as a "bleeder" suffer from?
  - a. Laryngeal Hemiplegia
  - b. Exercise Induced Pulmonary Hemorrhage
  - c. Recurrent Airway Obstruction
  - d. Chronic Obstructive Pulmonary Disease

17. The bones that make up the spinal column are classified as what type of bone?
  - a. Long Bones
  - b. Short Bones
  - c. Flat Bones
  - d. Irregular Bones
18. What type of stimulus is learned through practice?
  - a. Conditioned
  - b. Massed
  - c. Reinforced
  - d. Unconditioned
19. What is the name of the second cervical vertebrae?
  - a. Axis
  - b. Atlas
  - c. Wither
  - d. Sacrum
20. What is the normal breathing rate for horses at rest?
  - a. 2 to 6 times per minute
  - b. 8 to 16 times per minute
  - c. 20 to 30 times per minute
  - d. 40 to 60 times per minute
21. Horses that are sickle hocked are predisposed to \_\_\_\_\_.
  - a. Bowed Tendons
  - b. Curbs
  - c. Splints
  - d. Capped hock
22. Mares are considered seasonally polyestrous, what causes them to start cycling in the correct "season"?
  - a. Amount of daylight
  - b. Ambient temperature
  - c. Weaning of last year's foal
  - d. Presence of a stallion
23. What is the ideal slope of the horse's shoulder?
  - a. 20 to 25 degrees
  - b. 45 to 50 degrees
  - c. 70 to 75 degrees
  - d. 100 to 105 degrees
24. Which is NOT a type of overo coat color?
  - a. Frame
  - b. Frost
  - c. Sabino
  - d. Splashed White
25. Which of the following would result in elimination from a hunter over fences class?
  - a. 2 faults
  - b. 4 faults
  - c. First refusal
  - d. Third refusal
26. Other than coat color, what feature makes the Suffolk different from the other two British draft breeds?
  - a. Roman Nose
  - b. Dense Bone
  - c. No feathers on legs
  - d. Head carriage
27. The trot is a \_\_\_\_\_ beat gait.
  - a. Two
  - b. Three
  - c. Four
  - d. Five
28. What are not criteria in judging conformation?
  - a. Behavior
  - b. Color
  - c. Bloodlines
  - d. All of the above
29. What type of muscle is striated and voluntarily stimulated to contract?
  - a. Smooth Muscle
  - b. Skeletal Muscle
  - c. Cardiac Muscles
  - d. None of the above
30. What is the general term used for the last 10 pairs of ribs that are not connected to the sternum?
  - a. Hind ribs
  - b. Floating Ribs
  - c. Back Ribs
  - d. Dislocated Ribs
31. What environmental factor(s) affect time spent grazing?
  - a. Temperature
  - b. Rainfall
  - c. Wind
  - d. All of the above
32. What is the minimum width for a horse stall door opening?
  - a. 2 ft
  - b. 4 ft
  - c. 6 ft
  - d. 8 ft
33. Rhinopneumonitis is a disease caused by what virus?
  - a. Equine Herpes Virus
  - b. Equine Arteritis Virus
  - c. Streptococcus equi
  - d. Rotavirus
34. What is the term for an excessive amount of synovial fluid in the fetlock joint capsule?
  - a. Thoroughpin
  - b. Windpuff
  - c. Sidebone
  - d. Sesamoiditis

35. What are the two most important sources of energy for exercise?
- Amino Acids and Glycogen
  - Fat and Glycogen
  - Fat and Protein
  - Protein and Glycogen
36. In reference to directional terms, what is the opposite of rostral?
- Cranial
  - Dorsal
  - Caudal
  - Proximal
37. COPD is a disorder of the \_\_\_\_\_.
- Digestive System
  - Nervous System
  - Reproductive System
  - Respiratory System
38. At what age does Galvayne's groove appear at the gum line?
- 6 years
  - 8 years
  - 10 years
  - 14 years
39. How much water does the average adult 1,000 lbs. horse consume per day under mild temperatures and environmental conditions?
- 2 gallons
  - 10 gallons
  - 20 gallons
  - 30 gallons
40. What is the main goal in wound treatment?
- To control hemorrhage
  - To turn the contaminated wound into a clean one
  - To promote rapid wound healing
  - All of the above
41. What bacterial disorder involves production of toxins that result in paralysis, rigidity of muscle and often death?
- Equine Protozoal Myeloencephalitis
  - Equine Herpes Virus
  - Tetanus
  - West Nile Virus
42. The horse has a pupil that is more horizontal in orientation than in many other animals. The horizontal pupil allows for:
- Better night vision
  - Better focus on a given object
  - Greater vision over a wide horizon
  - Greater ability to discern subtlety in colors
43. Which of the following correctly applies to the earliest horse?
- Swamp browser
  - Forest browser
  - Prairie grazer
  - Swamp grazer
44. What is the term for a chemical substance produced by fungi or mold that inhibits or destroys bacteria or other micro-organisms and is used primarily in the treatment of infectious diseases?
- Antigen
  - Antibiotic
  - Toxin
  - Antitoxin
45. In a cutting competition, the horse and rider must demonstrate their ability to "cut" cattle and prevent them from returning to the herd. What is the time limit?
- Two minutes
  - One minute
  - Two minutes and thirty seconds
  - Three minutes
46. Pasture management guidelines recommend that horses be rotated to another pasture when the grass is a minimum of what height?
- Minimum of 2-3 inches
  - Minimum of 4-5 inches
  - Minimum of 1-2 inches
  - Minimum of 3-4 inches
47. Where would you find cardiac muscle?
- The heart
  - The shoulder
  - The digestive tract
  - The gaskin
48. What is the average total time for food to pass through the horse's digestive system?
- 6 hours
  - 12 hours
  - 24 hours (1 day)
  - 36 to 72 hours (2 to 3 days)
49. What is the condition where the hoof wall separates only at the toe?
- Quarter crack
  - Seedy toe
  - White line disease
  - Sheared toe
50. What is the term for cannon bones that are not centered in the knee, or are offset when viewed from the front?
- Calf-kneed
  - Sickle-kneed
  - Buck-kneed
  - Bench-kneed

51. What material should NOT be used as a primary layer when bandaging a wound?
- Elasticon
  - Plain Gauze Squares
  - Vet wrap
  - All of the Above
52. Which type of horse show class does NOT use a "pattern"?
- Showmanship
  - Reining
  - Pleasure driving
  - Western horsemanship
53. Which of these is a carbohydrate?
- Glucose
  - Glutamine
  - Propionate
  - Zinc
54. What is the country of origin for the Quarter Horse breed?
- Germany
  - England
  - Poland
  - United States
55. What does the term re-set or re-shod mean?
- The farrier used the same set of shoes a second time
  - The farrier had to realign the offset shoe
  - The horse continues to have the same hoof problem after corrective shoes have been put on
  - The farrier made a mistake and had to do the job over again
56. The fetlock joint is just below what long bone?
- Cannon Bone
  - Short Pastern Bone
  - Long pastern Bone
  - Coffin Bone
57. When the horse's lower incisors are more forward than the upper incisors the horse is referred to as:
- Parrot mouthed
  - Occluded mouthed
  - Monkey Mouthed
  - Wave Mouthed
58. What is the common term for horses that are "over at the knees" when viewed from the side?
- Base narrow
  - Base Wide
  - Buck-Kneed
  - Knock-Kneed
59. What piece of tack is commonly used in foxhunting and cross country to hold the saddle in place?
- Back girth
  - Breastplate
  - Chambon
  - Running Martingale
60. Spasmodic muscle contractions caused by cold weather are referred to as what?
- HYPp
  - Seizure
  - Cramping
  - Shivering
61. What is the original name for the Standardbred?
- American Saddle Horse
  - The Gentlemen's Horse
  - American Trotting Horse
  - All of the above
62. The average adult horse at maintenance requires \_\_\_\_\_% of its body weight in feed per day.
- 1.0 to 1.5
  - 2.0 to 2.5
  - 3.0 to 4.5
  - 4.0 to 5.5
63. The Morgan breed originated in what country?
- United States
  - Germany
  - Austria
  - England
64. What is the life cycle of a fly?
- Pupa, egg, larva, adult
  - Larva, hatchling, pupa, adult
  - Egg, larva, pupa, adult
  - Egg, pupa, larva, adult
65. During the birth of a foal, with a normal presentation, what should you see coming out of the mare first?
- The nose
  - The front feet with the soles pointing up at the mare's tail head
  - The front feet with the soles pointing down at the mare's hocks
  - The back feet with the heels pointing down at the mare's hocks
66. What is the minimum height for perimeter fencing for horses (not including stallions)?
- 3 ft
  - 5ft
  - 4 ft
  - 6 ft