2008 New York State Hippology Contest Senior Written Test Answer Sheet

ID Number ______ NAME _____

Write all your answers on this page. Write the letter of the correct answer in the space provided.

1.B	26.C	51.B	76.A
2.D	27.C	52.C	77.A
3.C	28.B	53.A	78.D
4.B	29.B	54.D	79.B
5,D	30.C	55.C	80.A
6.A	31.B	56.D	81.B
7.D	32.D	57.C	82.A
8.B	33.C	58.D	83.C
9.C	34.A	59.B	84.A
10.A	35.C	60.B	85.A
11.A	36.D	61.D	86.C
12.C	37.C	62.B	87.D
13.C	38.D	63.C	88.C
14.A	39.D	64.A	89.C
15.B	40.A	65.B	90.D
16.C	41.C	66.C	91.C
17.A	42.A	67.D	92.B
18.D	43.B	68.D	93.C
19.C	44.C	69.C	94.C
20.A	45.B	70.D	95.A
21.B	46.C	71.C	96.D
22.A	47.A	72.C	97.D
23.C	48.D	73.D	98.B
24.B	49.D	74.A	99.B
25.C	50.C	75.C	100.C
N. Contraction of the second sec			

If you have time, when you are finished with the exam, draw us a picture on the BACK of this answer sheet.

2008 New York State Hippology Contest Senior Written Test NAME ______

Carefully read each of the following questions, and enter the correct answer on your answer sheet. Good luck on the exam.

- 1. Which of these identifies the Phylum to which the horse belongs?
 - A. Animalia
 - B. Chordata
 - C. Equidae
 - D. Perissodactyla
- Which color is <u>not</u> recognized as a color of a registered Arabian horse?
 A. bay
 - B. brown
 - C. chestnut
 - D. white
- 3. Which of these describes the paso, the natural gait of both the Paso Fino and the Peruvian Paso?
 - A. two-beat lateral gait
 - B. two-beat diagonal gait
 - C. four-beat lateral gait
 - D. four-beat diagonal gait
- 4. Which of these terms refers to a horse that is black with white spots?
 - A. overo
 - B. piebald
 - C. skewbald
 - D. tobiano
- 5. Which of these matings would be <u>most</u> likely to result in a palomino foal?
 - A. palomino by palomino
 - B. chestnut by palomino
 - C. palomino by cremello
 - D. chestnut by cremello
- 6. Which of these breeds did <u>not</u> originate in Germany?
 - A. Gotland
 - B. Hanoverian
 - C. Holstein
 - D. Trakehner
- Which of these <u>best</u> describes a difference between a horse and an ass?
 A. A horse has longer ears.
 - B. A horse has smaller hooves.
 - C. A horse has a sparser mane and tail.
 - D. A horse has a different number of chromosomes

- 8. What does the term PCV refer to in regards to blood?
 - A. Plasma coagulant variable
 - B. Packed cell value
 - C. Plasma cell value
 - D. Porfuria cell variable
- 9. What amino acid is necessary for growth and milk production?
 - A. Methionine
 - B. Argininine
 - C. Lysine
 - D. Tryptophan
- 10. Which of these systems is responsible for the chemical control of the body? A. endocrine
 - B. integumentary
 - C. muscular
 - D. reproductive
- 11. Which of these connects bones to other bones?
 - A. ligaments
 - B. limbs
 - C. muscles
 - D. tendons
- 12. How many teeth does a mature female horse have?
 - A. 24
 - B. 30
 - C. 36
 - D. 42
- 13. Which of these regions of the spinal column has the fewest vertebrae? A. cervical
 - B. coccygeal
 - C. sacral
 - D. thoracic
- 14. Which of these terms is also known as an offset knee?
 - A. bench-kneed
 - B. buck-kneed
 - C. calf-kneed
 - D. splint-kneed
- 15. Which of these <u>best</u> describes a blemish?
 - A. acquired and affects usefulness
 - B. acquired and does not affect usefulness
 - C. congenital and affects usefulness
 - D. congenital and does not affect usefulness

- 16. Which of these identifies a voluntary type of muscle?
 - A. cardiac
 - B. respiratory
 - C. skeletal
 - D. smooth
- 17. Plants contain a pigment called carotene. Which of these vitamins is created by the horse using carotene?
 - A. vitamin A
 - B. vitamin D
 - C. vitamin E
 - D. vitamin K
- 18. Which of these refers to an infection of the frog?
 - A. corns
 - B. founder
 - C. gravel
 - D. thrush
- 19. Which of these describes atrophy of the muscles of the shoulder?
 - A. carpitis
 - B. epiphysitis
 - C. sweeney
 - D. thoroughpin
- 20. Which of these terms refers to throwing the front feet outward while in flight?
 - A. paddling
 - B. pounding
 - C. winding
 - D. winging
- 21. Which of these vices is described as a habit of force-swallowing gulps of air?
 - A. bolting
 - B. cribbing
 - C. shying
 - D. weaving
- 22. Which part of the digestive tract has the largest capacity?
 - A. colon
 - B. esophagus
 - C. small intestine
 - D. stomach

- 23. Which of these would cause an increase in the water needs of a horse?
 - A. a decrease in the activity of a horse
 - B. a decrease in the total dry matter intake
 - C. an increase in the environmental temperature
 - D. an increase in the amount of fresh young grass
- 24. Which of these types of hay is classified as a legume?
 - A. bluestem
 - B. clover
 - C. fescue
 - D. timothy
- 25. What is the term for providing an area where a foal can eat without interference from the mare?
 - A. gestation
 - B. lactation
 - C. creep feeding
 - D. bottle feeding
- 26. What body condition score would <u>most</u> likely be given to a horse that is moderate to fleshy?
 - A. 2
 - B. 4
 - C. 6
 - D. 8
- 27. Which of these is a condition in which the lungs do not function efficiently? A. colic
 - B. founder
 - C. heaves
 - D. thrush
- 28. Which of these is <u>not</u> a part of the mare's reproductive tract?
 - A. cervix
 - B. scrotum
 - C. uterus
 - D. vagina
- 29. Which of these is the length of a typical mare's estrous cycle?
 - A. 12 to 15 days
 - B. 21 to 23 days
 - C. 335 to 340 days
 - D. 350 to 354 days

- 30. Which of these terms refers to a mare that has never been bred?
 - A. barren
 - B. lactating
 - C. maiden
 - D. open

31. How many pairs of chromosomes does a pony have?

- A. 31
- B. 32
- C. 62
- D. 64
- 32. In which walk gait would you expect the horse to have the lowest head carriage?
 - A. Working walk
 - B. Collected walk
 - C. Extended walk
 - D. Free walk
- 33. Which is a macromineral?
 - A. Zinc
 - B. Selenium
 - C. Calcium
 - D. Magnesium
- 34. Which Vitamin is most likely to be toxic when overfed?
 - A. Vitamin A
 - B. Vitamin E
 - C. Vitamin B
 - D. Vitamin C
- 35. Which hay would be expected to have the highest protein content?
 - A. Bermuda grass
 - B. Oat hay
 - C. Alfalfa
 - D. Reed canary grass
- 36. Which hay should be avoided when feeding pregnant mares?
 - A. Lespedeza
 - B. Bluegrass
 - C. Rye grass
 - D. Fescue
- 37. What disease is caused by the bacteria *Clostridium perfringes*?
 - A. Equine Infectious Anemia
 - B. West Nile
 - C. Enterotoxemia
 - D. Tetanus

- 38. What term describes the site on the ovary where ovulation occurs?
 - A. Ovulation spot
 - B. Ovulation divet
 - C. Ovulation fora
 - D. Ovulation fossa

39. Which is the longest stage in the estrous cycle?

- A. Metestrus
- B. Proestrus
- C. Estrus
- D. Diestrus
- 40. What is the term used when a mare does not show behavioral estrus?
 - A. Silent heat
 - B. Anestrus
 - C. Night heat
 - D. Occult heat
- 41. Which of the following criteria for semen evaluation evaluates the shape of the sperm cells?
 - A. Concentration
 - B. Motility
 - C. Morphology
 - D. Volume
- 42. Which describes the Flehmen reflex?
 - A. Upward extension of the neck and curling of the lip
 - B. Arching of the neck and snorting
 - C. Flicking of the tail and kicking out
 - D. Arching of the neck and striking
- 43. When is the optimal time to breed a mare?
 - A. 2 days before ovulation
 - B. 6-12 hours before ovulation
 - C. 6-12 hours after ovulation
 - D. 2 days after ovulation
- 44. What term describes the failure of a mare to produce milk?
 - A. Alopecia
 - B. Adjuvant
 - C. Agalactia
 - D. Aiken
- 45. Mare colostrum provides what, that is essential for survival?
 - A. Antibiotics
 - B. Antibodies
 - C. Vaccines
 - D. Antigens

- 46. Which of the following breeding strategies creates the greatest increase in homozygosity?
 - A. Random selection
 - B. Inbreeding
 - C. Linebreeding
 - D. Crossbreeding

47. Which genotype would result in an animal that gets progressively lighter as it ages?

- A. GG
- B. gg
- C. Rnrn
- D. RnRn
- 48. Which genotype is lethal, and results in death of the embryo?
 - A. GG
 - B. gg
 - C. Rnrn
 - D. RnRn

49. What type of horse is most likely to be affected by Lethal White Syndrome?

- A. Pinto
- B. Paint
- C. Tobiano
- D. Overo

50. Which genetic disease is also known as equine spinal ataxia?

- A. EPM
- B. Aniridia
- C. Wobbles
- D. Atresia coli
- 51. What percentage of the genes of it's grandsire would a foal carry? A. 50%
 - A. 50% B. 25%
 - Б. 25% С. 12.5%
 - C. 12.5%
 - D. None of the above
- 52. Which disease is detected using the Coggins test?
 - A. Tetanus
 - B. Encephalitis
 - C. Equine infectious anemia
 - D. Equine protozoal myelitis

- 53. Which disease is caused by a bacteria found in the feces of horses, and can affect both horses and humans?
 - A. Tetanus
 - B. Rabies
 - C. Swamp fever
 - D. Encephalitis
- 54. What is the common name for laryngeal hemiplegia?
 - A. Coughing
 - B. Snorting
 - C. Blowing
 - D. Roaring
- 55. What condition results in a tightening of the muscles that makes it extremely difficult for the horse to move?
 - A. Choke
 - B. Spasmodic atrophy
 - C. Tying up
 - D. Potomac Horse Fever
- 56. Which of the following may cause diarrhea?
 - A. Lush pasture
 - B. Sudden change in feed
 - C. Salmonella
 - D. All of the above
- 57. Which disease is caused by *Streptococcus equi?*
 - A. Tetanus
 - B. Anthrax
 - C. Strangles
 - D. Influenza
- 58. For which disease do we vaccinate mares several times during pregnancy? A. Influenza
 - A. Innuenza
 - B. Viral arteritis
 - C. Pneumonia
 - D. Rhinopneumonitis
- 59. What is an ectoparasite?
 - A. A parasite that lives in the body
 - B. A parasite that lives outside the body
 - C. Parasites that cause damage
 - D. Parasites that are transmissible to humans

- 60. What is the scientific name for the bot genus?
 - A. Trichostrongylus
 - B. Gasterophilus
 - C. Cylicocerus
 - D. Ecdysus

61. What organ is preferred by the adult *Strongylus* species?

- A. Stomach
- B. Lungs
- C. Small intestine
- D. Large intestine
- 62. Which term is used to describe a medication used to eliminate parasites?
 - A. Vaccine
 - B. Anthelmintic
 - C. Antibody
 - D. Antibiotic

63. Which parasite might cause tail rubbing?

- A. Ascarids
- B. Strongyles
- C. Pinworms
- D. Bots
- 64. A stimuli that can naturally elicit a response, with no prior training, is:
 - A. Unconditioned stimuli
 - B. Conditioned stimuli
 - C. Natural stimuli
 - D. Learned stimuli
- 65. Most cues that are used in training horses are:
 - A. Unconditioned stimuli
 - B. Conditioned stimuli
 - C. Natural stimuli
 - D. Learned stimuli
- 66. Which of the following is a primary reinforcer of behavior?
 - A. Pat on the neck
 - B. Kind words 'good boy'
 - C. Feed
 - D. Spur
- 67. Which is a natural aid when training?
 - A. Bit
 - B. Spur
 - C. Whip
 - D. Voice

- 68. At what stage of training would intermittent reinforcement be used?
 - A. Teaching something new
 - B. When overcoming a fear
 - C. When eliminating a learned behavior
 - D. When maintaining a learned behavior
- 69. Which signals would you expect from the dominant horse in a herd?
 - A. Lowered head and gumming
 - B. Tail between legs
 - C. Ears pinned back
 - D. Rounded shoulders
- 70. The navicular bone is also known as:
 - A. Pedal bone
 - B. Coffin bone
 - C. Proximal sesamoid
 - D. Distal sesamoid

71. The tibia and fibula combine to form what external part?

- A. Stifle
- B. Forearm
- C. Gaskin
- D. Hip
- Laminitis primarily affects what bone? 72.

 - A. 1st phalanx
 B. 2nd phalanx
 C. 3rd phalanx
 D. 4th phalanx
- 73. Which term most correctly describes the bone of the elbow?
 - A. Radius
 - B. Ulna
 - C. Tarsus
 - D. Olecranon
- 74. How many bones are in the carpal joint?
 - A. 7-8
 - B. 5-6
 - C. 3-4
 - D. 1-2
- The cannon bone is also known as: 75.
 - A. 1st metacarpal
 - B. 2nd metacarpal
 - C. 3rd metacarpal
 - D. 4th metacarpal

- 76. Which tendon runs over the distal sesamoid?
 - A. Deep flexor tendon
 - B. Extensor tendon
 - C. Superficial sesamoidean tendon
 - D. Superficial flexor tendon
- 77. Muscles that work together to provide movement are:
 - A. Synergistic
 - B. Antagonistic
 - C. Agonistic
 - D. Sympathetic
- 78. What is the largest nerve in the horse's body.
 - A. Tibial nerve
 - B. Lumbosacral nerve
 - C. Dorsal nerve
 - D. Sciatic nerve
- 79. What tool is used to remove dead sole from the hoof?
 - A. Hoof pick
 - B. Hoof knife
 - C. Nippers
 - D. Shears
- 80. What heavy metal tool is used as a foundation for shaping shoes?
 - A. Anvil
 - B. Bellows
 - C. Rasp
 - D. Clinchers
- 81. What is the purpose of heel and toe clips on shoes?
 - A. Add weight
 - B. Hold the shoe in place
 - C. Increase traction
 - D. Correction of leg faults
- 82. For what unsoundness might the heart-bar shoe be used therapeutically?
 - A. Laminitis
 - B. Navicular disease
 - C. Quarter crack
 - D. Seedy toe
- 83. Which does not provide natural ventilation in a barn?
 - A. Window
 - B. Soffit
 - C. Fan
 - D. Ridge vent

- 84. Why should hay be stored in a separate building from horses?
 - A. Fire risk
 - B. Decreases ventilation
 - C. Increases dust in barn
 - D. All of the above
- 85. Which term describes inflammation of the ear?
 - A. Otitis
 - B. Auritis
 - C. Gingivitis
 - D. Laminitis
- 86. What term is used to describe a horse with a convex profile?
 - A. Dished face
 - B. Jibbah
 - C. Roman nosed
 - D. Hammerhead
- 87. Which part of the eye transmits an image to the optic nerve and lines the back surface of the eye's interior?
 - A. cornea
 - B. iris
 - C. lens
 - D. retina
- 88. Which organ is referred to with the use of the term renal?
 - A. brain
 - B. heart
 - C. kidney
 - D. lung
- 89. Which of these is produced by mating a mare with a jack?
 - A. a donkey
 - B. a jack
 - C. a mule
 - D. a zebra
- 90. Which of these results in a bony enlargement at the place where the base of the hock tapers into the cannon bone?
 - A. blind spavin
 - B. blood spavin
 - C. bog spavin
 - D. bone spavin
- 91. Which of these fills the cavities of bones?
 - A. bile
 - B. blood
 - C. marrow
 - D. melanin

- 92. Which of these is the NCHA dedicated to?
 - A. chasing horses
 - B. cutting horses
 - C. camping and horses
 - D. cattle and horses
- 93.Which digit does the modern horse walk on?
A. firstD. fourthB. secondC. thirdD. fourth
- 94. Which of these is referred to as the near side of the horse? A. the back of the horse
 - B. the front of the horse
 - C. the left side of the horse
 - D. the right side of the horse
- 95. Which of these describes the term proximal?
 - A. toward the attached end of a limb
 - B. away from the attached end of a limb
 - C. toward the front end of the animal
 - D. away from the front end of the animal
- 96. Which of these is a bone-producing membrane covering the bone?
 - A. cartilage
 - B. endosteum
 - C. marrow
 - D. periosteum
- 97. Which of these is the body's largest organ? A. brain B. heart C. lung D. skin
- 98. How many bones are in the skull? A. 20 B. 34 C. 114 D. 205
- 99. Which type of bone are vertebrae?
 - A. flat
 - B. irregular
 - C. long
 - D. short
- 100. Which type of joint is immovable?
 - A. cartilaginous
 - B. ellipsoid
 - C. fibrous
 - D. synovial

THE END. Congratulations on completing the exam.