

**2015 NC State Hippology Contest Junior Written Exam (200 points = 4 pts/question)**

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

**Directions:** Please bubble your answers on your scantron sheet (on the backside & starting with #51). You may write on this test, but it must be turned in with your completed scantron.

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51. The average gestation length of a horse is...
- a. 6 months
  - b. 9 months
  - c. 11 months
  - d. 12 months
52. How many beats are in the gallop?
- a. 1
  - b. 2
  - c. 3
  - d. 4
53. Which of the following is a macro-mineral required by the horse?
- a. Copper
  - b. Calcium
  - c. Cobalt
  - d. Iodine
54. What does "TPR" stand for in reference to horse care?
- a. Total physical response
  - b. Technical Product Review
  - c. Temperature, Pulse, Respiration
  - d. Training Package Recommended
55. Which of the following is not considered a distinct paint coat pattern?
- a. Tobiano
  - b. Frame
  - c. Sabino
  - d. Leopard
56. When talking about horse colors, the term "points" refers to the:
- a. Mane and tail
  - b. Lower leg
  - c. Ear rims
  - d. A, B, and C
57. Which test is used to determine if a horse has Equine Infectious Anemia?
- a. SNAP
  - b. Coggins
  - c. Culture
  - d. SCID
58. Which of the following is a bump-like structure caused by papilloma viruses?
- a. Pimple
  - b. Zit
  - c. Wart
  - d. Hive
59. Your horse has an oviduct, therefore it is a...
- a. Gelding
  - b. Mare
  - c. Stallion
  - d. A or C

60. What is another name for a stirrup cover?
- a. Tapadera
  - b. Jaquima
  - c. Jockey
  - d. Reata
61. A horse having a short, steep croup might be described as...
- a. Heavy-quartered
  - b. Nicer-turned croup
  - c. Down hill
  - d. Goose rumped
62. Which of the following is not a recommended site of intramuscular injection?
- a. Middle third of the neck
  - b. Buttock
  - c. Chest (Pectoral muscles)
  - d. Gaskin
63. Which of the following is true?
- a. Donkeys have the same number of chromosomes as horses
  - b. A male donkey and a mare produce a hinny.
  - c. A female donkey and a stallion produce a mule.
  - d. Donkeys have chestnuts on only the front legs.
64. A pony must be less than \_\_\_\_\_ at the withers:
- a. 48 inches
  - b. 58 inches
  - c. 60 inches
  - d. 64 inches
65. Which of the following is not part of the hind gut?
- a. Small intestine
  - b. Cecum
  - c. Large colon
  - d. Small colon
66. Which of the following is not considered a source of energy?
- a. Amino Acids
  - b. Carbohydrates
  - c. Sugars
  - d. Fats
67. Which vitamin is needed for vision?
- a. Vitamin A
  - b. Vitamin D
  - c. Vitamin E
  - d. Vitamin K
68. Which of these diseases has a vaccine?
- a. Brucellosis
  - b. Strangles
  - c. EPM
  - d. Equine Infectious Anemia
69. Which is **not** a part of the parasite's life cycle?
- a. Egg
  - b. Larvae
  - c. Adolescent
  - d. Adult

70. What is another name for Roundworms?
- a. Strongyles
  - b. Fungus
  - c. Oxyuris
  - d. Ascarids
71. Which means “toward the head”?
- a. Caudal
  - b. Distal
  - c. Cranial
  - d. Ventral
72. When viewing a horse from the front, you notice that it is pigeon-toed. It is most likely to...
- a. Track straight
  - b. Paddle
  - c. Cross fire
  - d. Tightrope walk
73. What is the term for a horse that has retained one or both testicles in the abdomen or inguinal canal?
- a. Stag
  - b. Gelding
  - c. Cryptorchidism
  - d. Quittor
74. What is the name for the sharp curling of the upper lip, often observed in stallions?
- a. Flehmen response
  - b. Winking
  - c. Pawing
  - d. Twitching
75. Which of the following is an ideal place to check a horse’s mucous membranes?
- a. Neck
  - b. Heart girth
  - c. Pastern
  - d. Gums

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**Match these nutrients to their descriptions in #76-80**

- A. Water
  - B. Protein
  - C. Vitamins
  - D. Minerals
  - E. Energy
76.   B   Made up of building blocks called amino acids.
77.   C   Classified as either “fat-soluble” or “water-soluble”
78.   A   Lack of this can cause dehydration, impaction colic, and other health issues.
79.   E   Consists mostly of carbohydrates and lipids
80.   D   Includes seven macro and seven micro.

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**Match these numbers with the appropriate descriptions in # 81-85**

- A. 40
  - B. 100
  - C. 12
  - D. 32
  - E. 36
81.   D   Number of chromosome pairs of a horse
82.   B   Normal resting temperature in degrees F
83.   A   Normal resting heart rate in beats per minute
84.   C   Normal resting respirations per minute
85.   E   Number of teeth of an adult mare

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**Match these breeds to their place of origin for #86-90**

- |    |            |    |                      |
|----|------------|----|----------------------|
| A. | Clydesdale | D. | Morgan               |
| B. | Percheron  | E. | Missouri Fox Trotter |
| C. | Appaloosa  |    |                      |
86.   B   France  
87.   E   Ozarks  
88.   C   Pacific Northwest of United States  
89.   D   New England States of United States  
90.   A   Southern Scotland

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**Match these markings to their descriptions in #91-95**

- |    |               |    |            |
|----|---------------|----|------------|
| A. | Dorsal Stripe | D. | Blood Mark |
| B. | Dapple        | E. | Ink Spots  |
| C. | Flea Bitten   |    |            |
91.   E   Small dark-colored spots seen on the white areas of some paint/pinto horses  
92.   C   Small flecks of color over the base color, usually brown or red in color  
93.   A   A stripe of color down the center of the animal's back  
94.   B   Circular pattern or ring-shaped pattern in horse's coat  
95.   D   A dark colored splotch on the basic coat color, generally red or brown in color and seen on a lighter base coat color

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**Match these digestive system parts to their descriptions in # 96-100**

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|----|-----------|----|-----------------|
| A. | Mouth     | D. | Small Intestine |
| B. | Esophagus | E. | Large Intestine |
| C. | Stomach   |    |                 |
96.   D   A majority of digestion and absorption of protein, vitamins, minerals, and energy occurs here  
97.   E   Contains cecum, large colon, small colon, and rectum  
98.   B   Approximately 4-5 feet in length; prevents burping and vomiting  
99.   A   Location of mastication and salivation  
100.   C   Secretes acids and enzymes that break down food

CONGRATULATIONS! You are finished. Look back over your answers and check your scantron to make sure everything has been bubbled correctly. Also, make sure your contestant # is written in and bubbled in the student ID section of scantron on side 1. Also, write in your name on the blank provided on side 1 of the scantron.