

2007 Sr. NYS 4-H Horse Bowl Round Four

One-On-One

- 1 C1 Q. In what part of the horse's digestive tract does the majority of sound-generating digestive action occur?
A. Cecum
S. HIH 710-2 430/3
- 2 C2 Q. What is the common term to describe a swelling of the subcutaneous bursa over the calcaneal tuber that is part of the calcaneous bone of the hock?
A. Capped hock
S. Kainer Plate 32 620/3
- 3 C3 Q. Based on cost per unit of energy, and comparing corn and oats, which is cheaper?
A. Corn
S. YLM 302-2 710/3
- 4 C4 Q. In what joint is the most common lameness found in the Standardbred used for harness racing?
A. Hock
S. Evans pg 155 810/3

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- 9 C1 Q. What is the proper name (genus and species) of the most dangerous of the three large strongyles?
A. *Strongylus vulgaris*
S. HIH 430-2 835/3
- 10 C2 Q. What type of gene action is demonstrated when a trait of a horse is the result of the additive effect of many genes?
A. Quantitative
S. HIH 1020-3 550/3
- 11 C3 Q. Endocarditis is an inflammation or infection of the lining of what organ?
A. Heart
S. DET pg 91 840/3
- 12 C4 Q. Lactating mares have an increased need for water due to the loss of water from what?
A. Milk production
S. Lewis pg 4 700/2

End One-On-One

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Begin Open Questions

- 13 Q. Your horse spooks unexpectedly, looking quickly to the side, but you see nothing that could have caused this. Why might you suspect your horse was frightened by a noise even though you did not hear anything?
- A. Horses can hear sounds above the frequency range of human hearing.
- S. Evans pg 121 420/3
- 14 Q. What type of hammer would you use to shape and make shoes on the anvil?
- A. Rounding or turning hammer
- S. YLM 116-2 900/2
- 15 Q. Other than dust and mold, what ventilation problem does storing hay above stalls create?
- A. Retention of heat and moisture (accept either – also accept fire – it would cause a ventilation problem and is a negative aspect of storing hay)
- S. YLM 107-3 920/3
- 16 Q. Name the breed that includes the following famous names in its history – Messenger, Greyhound, Hambletonian, Dan Patch, and Niatross.
- A. Standardbred
- S. Evans pg 28-9 200/3

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- 17 Q. What Western saddle is being described? Straight leg position, deep seat, tall horn, high cantle, rounded flap and lightweight.
- A. Barrel racing (gymkhana) saddle
- S. HIH 1100-5 1000/2

Toss Up – Bonus Attached

- 18 Q. (Two Part) What hormone in the horse helps control glucose levels by decreasing them and in what organ is it produced?
- A. Insulin, pancreas
- S. Evans pg 127, Kainer plate 54 490/3

Bonus Question

- 19 Q. (Bonus Question) The Paso Fino performs a unique four-beat lateral gait that is essentially a broken pace that can be performed at three different speeds. What are the proper names for these three gaits?
- A. Paso largo, Paso corto, Paso fino
- S. Evans pg 178 640/4

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Resume Open Questions

- 20 Q. Name one of the eight states in the U.S. that has excessively selenium-rich soils due to native plants?
- A. California, Colorado, Idaho, Montana, Oregon, South Dakota, Utah, and Wyoming.
- S. Lewis pg 325 770/3
- 21 Q. A tumor of pigment forming cells called a melanoma is most common in which color horse?
- A. Gray
- S. Evans pg 514 860/3
- 22 Q. Sickie hock is a conformational defect that places heavy strain on the long plantar ligament of the hock and predisposes the horse to what joint problem?
- A. Curb
- S. Kainer plate 40 620/3

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- 23 Q. Using wood shavings for bedding is more costly than using straw, but the additional cost can be justified financially by savings in what area?
- A. Labor
- S. HIH 330-1 920/3

Toss Up – Bonus Attached

- 24 Q. (Two part) The term ergot has two distinct meanings. What are they?
- A. Ergot is a fungus found on cereal grain plants that is toxic to horses
A small horny growth at the base of the fetlock
- S. Lewis pg 388 0700/4

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Bonus

- 25 Q. (Bonus Question) No deworming schedule fits all horses. Most veterinarians recommend deworming four times a year. List four factors that would influence your deworming program.
- A. Climate Humidity
Rainfall Season
Concentration of horses Size of pasture
Age of horses Parasite infection history
Travel of horses out of facility Fecal sample evaluation
- S. HIH 430-7 700/3

Resume Open Questions

- 26 Q. An egg bar horseshoe is used to provide additional support to what part of the hoof?
- A. Rear portion or heels.
- S. HIH 515-4 900/3
- 27 Q. In feeding, what is the best way to insure the horse has adequate salt intake?
- A. Have salt available free choice – the horse will consume enough to meet its needs.
- S. Lewis pg 25 750/3
- 28 Q. What is the most common symptom of black walnut poisoning?
- A. Founder (laminitis)
- S. Lewis pg 323 770/3

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- 29 Q. Explain why a boticide should be given one month after the first frost?
- A. The frost will kill the adult flies which eliminate further eggs and larvae. After one month any larvae will have migrated to the stomach and will be subject to the effects of the dewormer.
- S. Lewis pg 161 830/4

Last Question of the Round

- 30 Q. What term is used to describe the middle team in a six horse hitch?
- A. Swing team
- S. DET pg 261 1050/3