

**2012 New York State Senior 4-H Horse Bowl  
Round 4**

**One-On-One**

1. C1      Q. The American Walking pony is a result of breeding the Tennessee Walking Horse and what pony breed?
- A. Welsh Pony
- S. Evans p. 66            200/3
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2. C2      Q. What are the **two** artificial gaits performed by the 5-gaited American Saddlebred ?
- A. Slow gait (stepping pace) and rack (single-foot)
- S. Evans p. 40, 178        640/3
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3. C3      Q. There is a red maple tree on your neighbor's property next to your fence line. You discovered your horse eating green leaves off the branches that are within the horses reach. What effect would you expect from the horse eating the red maple leaves?
- A. None – Red maple leaves are not toxic when fresh (leaves are toxic when wilted or dried)
- S. Lewis p. 331            770/3
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4. C4      Q. Rapid growth is an important factor contributing to DOD. What do the initials DOD represent?
- A. Developmental Orthopedic Diseases
- S. Lewis p. 283            810/3

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5. C1 Q. What gland produces the hormone epinephrine?  
A. Adrenal gland  
S. Evans p. 127                      490/4
6. C2 Q. What is the common term for the proximal interphalangeal joint?  
A. Pastern joint  
S. Evans p. 689                      410/3
7. C3 Q. What activity is judged on how well the human and equestrian athletes work together, includes free style routines and is defined as “gymnastics on horseback”?  
A. Vaulting  
S. HIH 185D-1                      1010/3
8. C4 Q. Palomino horses do not “breed true”. What does this mean?  
A. When breeding a palomino to a palomino only 50 percent will produce a palomino (also accept breeding a palomino to a palomino will not always result in a palomino)  
S. Evans p. 51                      550/3

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9. C1 Q. The breeding of what two equines produces a hinny?  
A. Stallion and female donkey (jennet or jenny)  
S. ES p. 22            550/3
10. C2 Q. What is the common or slang term for Equine Infectious Anemia?  
A. Swamp fever  
S. Lewis p. 175; DET 260            800/3
11. C3 Q. What term refers to the middle team of horses in a 6-horse hitch?  
A. Swing team  
S. DET p. 261            1050/3
12. C4 Q. Decreased growth rates, muscle loss, slow hoof growth and lack  
of energy are all effects of a deficiency of what class of nutrients?  
A. Protein  
S. ES p. 120            760/4

**End One-On-One**

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**Begin Open Questions**

13. Q. Gigantic head, undeveloped and spiraling of the tail are all terms used when describing which of the 4 criteria used to evaluate semen?

A. Morphology

S. Evans p. 366                      520/4

14. Q. What type of bacteria is the most common cause of infectious enterocolitis in adult horses and results in lethargy, anorexia, colic and diarrhea?

A. Salmonella

S. ES p. 171; HIH 660-1, 660-2                      830/4

15. Q. The dark liver or black chestnut color is **primarily** found in what breed of horses?

A. Morgan

S. Evans p. 36                      300/3

16. Q. Horses with recurrence of urinary calculi would benefit from feeding a diet that has less of what specific mineral?

A. Calcium

S. Lewis p. 297                      750/3

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**Toss Up – Bonus Attached**

17. Q. (Two Part) What are the **two** most common types of hammers used by a farrier and what are each of them used for?
- A. Rounding hammer - making and shaping shoes  
Driving hammer - driving nails, forming and finishing clinches, wringing off the nails
- S. Evans p. 728                      900/3

**Bonus Question**

18. Q. (Bonus) Vital signs that include TPR, capillary refill, mucous membranes and skin pliability are used to evaluate the health of the horse. Identify **four** other observations that are used to evaluate a horse's health.
- A. Body fluids (feces, urine, tears, saliva, sweat)                      Hair coat  
Body condition and weight    Movement  
Normal behavior/alertness    Hoof condition  
Behavior disorders  
Feeding habits/appetite  
Menace reflex
- S. HIH 425-1                              800/4

**Resume Open Questions**

19. Q. What is a ginglymus joint?
- A. Hinge joint (ex. elbow)
- S. Kainer plate 13; Evans p. 688                      410/3

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20. Q. In regards to anatomy, the horses first line of defense against cold weather is a long thick hair coat which provides insulation and protection. What part of the anatomy provides additional insulation and is considered to be the next line of defense against cold?

A. Fat (layer of fat under the skin)

S. Lewis p. 188                      460/4

21. Q. What type of bar shoe would be used for the treatment of a horse with navicular disease?

A. Egg bar ( not heartbar)

S. HIH 540a                      900/3

22. Q. Which current breed of horses was formerly referred to as “Steeldusts”?

A. Quarter Horse

S. Evans p. 25                      200/3

23. Q. What term describes fresh, green forage that is cut, chopped and fed all in the same day?

A. Soilage or green chop (do not accept silage which is fermented)

S. Lewis p. 403                      780/3

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**Toss Up – Bonus Attached**

24. Q. In regards to pasture management, identify **two** instances when you should keep horses off pasture.
- A. During pesticide spraying, when fertilizing, to reduce overgrazing, when there is fresh or lush pasture, during winter, when soils are wet
- S. HIH 360-3, 360-4            920/3

**Bonus Question**

25. Q. (Bonus) Give the common name for these **four** internal parasites...
- Parascaris equorum  
Habronema  
Strongyloides westeri  
Cyathostomes
- A. Ascarid or roundworms (Parascaris equorum)  
Stomach worm (Habronema)  
Threadworms (Strongyloides westeri)  
Small strongyles (Cyathostomes) (must specify “small” strongyles)
- S. Lewis p. 386, 392, 399, 406            835/4

**Resume Open Questions**

26. Q. A cervix that is pale in color, produces a thick, sticky mucus and is tightly closed indicates the influence of which hormone?
- A. Progesterone
- S. HIH 910-3; Evans p. 336            510/3

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27. Q. What is the country of origin for the Highland Pony?
- A. Scotland
- S. DET p. 139            200/3
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28. Q. In general a complete feed is a commercially prepared diet that includes both forage and grain. It would meet all of the nutritional requirements of the horse **except** for which **two** nutrients?
- A. Water and salt
- S. Lewis p. 385            700/4
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29. Q. What does the term “nicking” refer to in regards to the offspring from a linebreeding program?
- A. Offspring that are superior to their parents
- S. HIH 1080-1            550/3

**Last Question of the Round**

30. Q. What test would be indicated for a horse that is suspected of having Equine Infectious Anemia?
- A. Coggins test
- S. HIH 630-1            840/3