

**2010 New York State Senior 4-H Horse Bowl
Round 4**

One-On-One

1. C1 Q. What type of joint is an enarthrosis?

A. Ball and socket joint (example would be the hip joint)

S. Evans p.688; DET p. 91 410/3

2. C2 Q. What is the term for the pieces of amorphous material
 found in the allantoic fluid during pregnancy?

A. Hippomanes

S. Evans p. 342 500/3

3. C3 Q. What type of parasite usually only occurs in horses
 that are grazed in pastures with donkeys?

A. Lungworms

S. Lewis p. 159 835/3

4. C4 Q. In what class is the rider penalized for cueing the horse
 with the reins?

A. Cutting

S. DET p. 76 1070/3

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5. C1 Q. What is the common name for the tranquilizer acetyl promazine?

A. "Ace" (also accept "acepromazine")

S. DET p. 2 805/3

6. C2 Q. What happens to the total nutrient content of hay when it is over-cured and baled with a moisture content that is too low?

A. The nutrient content decreases (because the leaves shatter and fall off)

S. HIH 750-4 700/3

7. C3 Q. How does the function of the placenta differ in passive immunity when comparing equines with humans?

A. In the horse antibodies are not passed across the placental barrier (as in humans) (The foal must obtain antibodies by ingesting colostrum)

S. ES p. 169 510/4

8. C4 Q. In foxhunting, what is a capping fee?

A. Fee paid by a visitor for a day of foxhunting

S. DET p. 47 1080/4

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9. C1 Q. Research indicates that horses do see in color. However, they may have **more** difficulty seeing which color?

A. Red

S. ES p. 60 825/4

10. C2 Q. What rare genetic disease results in missing patches of hair or skin at birth?

A. Epitheliogenesis Imperfecta

S. Evans p. 514 880/4

11. C3 Q. What is the name for the leather straps that fasten the cinch on a Western saddle?

A. Latigo straps

S. DET p. 165 1000/3

12. C4 Q. What medication is used to treat bradycardia?

A. Atropine

S. DET p. 17 805/3

End One-On-One

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Begin Open Questions

13. Q. What breed of horse is primarily affected by the genetic lethal Combined Immunodeficiency Disease?
- A. Arabians (and Arabian crosses)
- S. HIH 1060-4 550/3
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14. Q. What breed registry is the oldest for an American breed of horse and was founded in 1891 in Louisville, Kentucky?
- A. American Saddlebred Horse Association
- S. HIH 156-1 200/4
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15. Q. A horse with what genetic disease would benefit from a diet that is low in potassium?
- A. HYPP or Hyperkalemic Periodic Paralysis (also accept PIPP or Potassium Induced Periodic Paralysis)
- S. Lewis p. 298; HIH 1060-6 700/3
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16. Q. What is the correct term for the red blood cells that contain hemoglobin and transport oxygen in the blood?
- A. Erythrocytes
- S. Evans p. 117; DET p. 99 440/3

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Toss Up – Bonus Attached

17. Q. Describe the difference between adduction and abduction as it applies to the movement of the horse's limbs.
- A. Adduction is movement toward the center of the body or the median plane; abduction is movement away
- S. Kainer plate 18; DET pp. 1-3 410/3

Bonus Question

18. Q. (Bonus) In an intensive management system, there are 3 ways in which manure can be managed. Name **two** of the **recommended** methods for manure management.
- A. Compost (remove daily and compost)
Stockpile (remove daily and store in piles)
Daily land application (remove daily and spread on cropland)
(Removal of manure or compost to landfills, dumped in gullies, etc. is not recommended and this answer should not be accepted)
- S. HIH 365-1 920/3

Resume Open Questions

19. Q. What are the **two** main types of stable vices?
- A. Oral and escape
- S. Lewis p. 370 930/3

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20. Q. In regards to markings, describe a “blood mark”?
A. A splotch of dark color on a **base coat color**
S. ES p. 39 310/3
21. Q. This number represents protein content based on nitrogen content in a feedstuff. It estimates the amount that is **actually** available to the horse **during the process of digestion**.
A. Digestible crude protein
S. ES p. 119 760/3
22. Q. What is the difference between a half pass and a full pass?
A. In a full pass (side pass) the horse moves only sideways; in a half pass the horse moves forward and sideways at the same time
S. DET p. 115, 128 640/3
23. Q. What synthetic pony breed is a result of crossing Shetland and hackney ponies?
A. Americana
S. Evans p. 66 200/4

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24. Q. What are the **three** basic models of artificial vaginas?

A. Colorado, Missouri and Fujihira

S. Evans p. 376 500/3

Bonus Question

25. Q. (Bonus) Identify the breed of horse that is **most commonly** associated with **each** of the following genetic diseases...

Combined Immunodeficiency
Hyperkalemic Periodic Paralysis
Equine Night Blindness
Aniridia

A. Arabian (CID);Quarter Horse (HYPP); Appaloosa (ENB)
and Belgian (Aniridia)

S. HIH 1060-5; ES pp. 98-100 550/4

Resume Open Questions

26. Q. What are the **three** types of events at a combined training competition?

A. Dressage, cross country and show jumping (stadium jumping)

S. DET p. 62 1070/3

27. Q. What mineral deficiency results in a deficiency of Vitamin B12?

A. Cobalt

S. Lewis p. 39 740/4

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28. Q. Carrollton Hounds hunted 16 and $\frac{1}{2}$ couple hounds last week.
How many hounds were in the pack?
- A. 33 hounds
- S. DET p. 70 1080/3
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29. Q. What happens to excess simple sugars when the glycogen storage capacity of the kidneys, liver and muscles are full?
- A. They are stored as fat
- S. ES p. 146 730/3

Last Question of the Round

30. Q. You are judging a Color Class. What is the difference in how you will place this class in comparison to how you would place a halter class?
- A. This class is judged on coat color and pattern. Conformation is **not** a deciding factor in this class as it would be in a halter class.
- S. DET p. 62, 128 1070/3