

**2010 New York State Senior 4-H Horse Bowl
Round 6**

5. C1 Q. What is the common name for the “four-in-hand knot” that is tied the same as the knot in a man’s tie and is used to secure a western saddle in place when a buckle is not used?
- A. Cinch knot
- S. DET p. 57 1000/3
6. C2 Q. What type of **shoe** is used to elevate the heels of a horse that is confined to stall rest?
- A. Patten shoe (also accept wedge shoe)
- S. HIH 515-5 900/4
7. C3 Q. What is the common name for the coxofemoral joint?
- A. Hip joint
- S. Kainer plate 31 410/3
8. C4 Q. Why do lactating mares have the best chance of survival after ingesting the poisonous plant, White Snakeroot?
- A. The toxin in White Snakeroot (tremetol) is only excreted from the body by lactation
- S. Lewis p. 320 770/3

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9. C1 Q. What is the name of the piece of canvas that covers and protects the load when packing with horses?
- A. Manta
- S. HIH 1125-3 1000/3
10. C2 Q. How is a sublingual medication given?
- A. Under the tongue
- S. DET p. 259 805/4
11. C3 Q. What type of feedstuff is used in horses with respiratory problems as a non-dusty substitute for roughage or fiber and may also be mixed with cereal grains in a commercial concentrate?
- A. Beet pulp
- S. YLM 302-4L 790/3
12. C4 Q. What is the correct anatomical term for foals with knees or hocks deviating **inward**?
- A. Valgus (not varus which is knees or hocks deviating outward)
- S. HIH 525-2 620/4

End One-On-One

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Begin Open Questions

13. Q. What is the name of the social and/or sexual behavior in the horse where the animal curls its upper lip and holds its head in the air?
- A. Flehmen Response
- S. ES p. 62 910/2
14. Q. What specific activity is being described? This popular event is the rodeo version of cattle work. A cowboy ropes a steer around the horns and then another cowboy ropes the steer's heels.
- A. Team roping (also accept heading and heeling)
- S. DET p. 263 1060/4
15. Q. What is the common name for ileocolonic aganglionosis?
- A. White Foal Syndrome (also accept lethal white foal syndrome and lethal white syndrome)
- S. HIH 1060-6 550/3
16. Q. How many miles did your horse run in a 12 furlong race?
- A. 1 ½ miles (8 furlongs per mile)
- S. Evans p. 20 1040/3

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Toss Up – Bonus Attached

17. Q. There are four factors that must be optimum for the microbes which are necessary for manure composting.
Name **three** of these factors.

A. Temperature, moisture, oxygen and carbon:nitrogen ratio

S. HIH 365-2 920/4

Bonus Question

18. Q. (Bonus) Identify **four** types of nutrients that are absorbed in the small intestine

A. Vitamins
Minerals
Protein
Carbohydrates
Fat

S. ES p. 111 430/4

Resume Open Questions

19. Q. How does the shape of the chewing surfaces of the teeth change as the horse ages?

A. Changes from oval to triangular

S. Evans p. 93 430/3

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20. Q. What breed is noted for its excellent conformation as a miniature horse and was developed in Argentina?
- A. Falabella
- S. Evans p. 67 200/4
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21. Q. What is the name given to the person who makes the metal parts of tack such as the bits, curb chains and stirrup irons?
- A. Lorimer
- S. DET p. 172 1000/4
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22. Q. Charging refers to the behavior of a horse that suddenly attacks or savages a person or another horse. What does charging refer to in jumping events?
- A. Rushing into a fence
- S. DET p. 4 1075/3
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23. Q. What is the correct medical terminology for the large quantities of sebum produced by the sebaceous glands in the prepuce of a gelding or stallion?
- A. Smegma
- S. Kainer plate 5 460/3

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Toss Up – Bonus Attached

24. Q. (Two Part) The location of exostosis or bone growth determines the classification of ringbone. What specific joint is affected in high ringbone and which joint is affected in low ringbone?
- A. Pastern joint (high ringbone)
Coffin joint (low ringbone)
- S. Evans p. 160; Lewis p. 401 620/4

Bonus Question

25. Q. (Bonus) Identify **three** of the four major factors that predispose the growing horse to any of the developmental orthopedic diseases.
- A. Rapid growth
Trauma to the bone growth plates or articular cartilages
Genetic predisposition
Nutritional imbalances
- S. Lewis p. 283 810/4

Resume Open Questions

26. Q. There are 6 basic modifications of the color black. Name **three** of them.
- A. Bay, seal brown, buckskin, dun, grulla and perlino
- S. Evans p. 473 550/4

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27. Q. Horses that graze on dew-laden clover pasture or graze clover pasture during wet or humid weather develop a photosensitization. This occurs on white skinned areas especially around the lips, nose and feet. This type of plant poisoning is **commonly** referred to as what condition?

A. "Dew poisoning"

S. Lewis p. 314 770/3

28. Q. Composting stall waste for 1 to 2 months reduces the volume of of waste by what percentage?

A. 40-70 percent (accept anything within this range)

S. HIH 360-3 920/4

29. Q. What is circumduction?

A. Circular movement of an eye or leg

S. DET p. 51 410/3

Last Question of the Round

30. Q. What is the name for a drop jump that is a solid earthen ramp or wall?

A. Bank

S. DET p. 23 1075/4