One-On-One

1. C1  Q. A deficit of what basic nutrient may increase the risk of impaction colic?
   A. Water
   S. ES p. 116  700/3

2. C2  Q. What is the name for the lower horn on the near side of a sidesaddle?
   A. Leaping horn
   S. DET p. 166 1000/4

3. C3  Q. Most foundation Quarter Horses trace their ancestry to which Thoroughbred stallion?
   A. Janus
   S. DET p. 157 200/3

4. C4  Q. What is the purpose of a swedge in a horse shoe?
   A. To increase traction (also accept to protect the nail heads from wear)
   S. DET p. 260 900/3
5. C1  Q. Tobiano and overo coloring are both controlled by genes. Which color is displayed only if the genotype is homozygous for the recessive gene?

A. Overo

S. Evans p. 490 300/4

6. C2  Q. Your horse has chronic obstructive pulmonary disease. To help manage this condition nutritionally it is helpful to do what before feeding your horse hay?

A. Soak the hay 5 minutes before feeding (also accept anything which indicates wetting down or soaking the hay)

S. Lewis pp. 291-292 700/3

7. C3  Q. What term refers to the atrophy or shrinkage of the shoulder muscle due to a nerve injury?

A. Sweeny

S. DET p. 260 620/3

8. C4  Q. Give the location for the point team in an 8-horse hitch.

A. Team behind the leaders

S. DET p. 215 1050/4
9. C1  Q. What is the longest muscle in the back?
   A. Longissimus dorsi
   S. DET p. 171       410/4

10. C2  Q. What is the slang term for the hobbles used on pacers to prevent them from breaking into a trot or gallop?
   A. Indiana pants
   S. DET p. 151       1000/4

11. C3  Q. What breed is born brown, mouse grey or black-brown, but typically turns white between the ages of 6 and 10?
   A. Lipizzan
   S. HIH 159B-1       200/4

12. C4  Q. What part of a pedigree is referred to as the top line?
   A. Stallion side (or direct line of male descendants)
   S. DET p. 271       220/4

   End One-On-One
Begin Open Questions

13. Q. What is the minimum recommended size for a stall for a stallion?

   A. 14 foot x 14 foot

   S. YLM INT 207-2 920/3

14. Q. What term refers to the percentage of a horse’s expressed trait that is due to genetics?

   A. Heritability estimate

   S. YLM ADV 335-2 550/4

15. Q. Which part of the digestive tract has the fastest rate of passage for ingesta?

   A. Esophagus

   S. ES p. 109 430/4

16. Q. You do the math…What is the cardiac output for a horse with a stroke volume of 1 liter and a heart rate of 40 beats per minute?

   A. 40 liters per minute

   S. Evans p. 111 440/4
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Toss Up – Bonus Attached

17. Q. Give two terms commonly used to describe the condition of the racetrack footing.

   A. Fast, sloppy, muddy, heavy

   S. DET p. 272 1040/3

Bonus Question

18. Q. (Bonus) The color terms alazán, tostado and ruano are South American descriptions of chestnut horses. Identify the specific color of chestnut that is associated with each of these terms.

   A. Alazán – red-colored horse with red points
      Tostado – red-colored horse with darker red-colored points
      Ruano – red-colored horse with lighter-colored points or a flaxen mane and tail

   S. ES p. 41 300/5

Resume Open Questions

19. Q. This bit has a straight bar mouthpiece and shanks. It can be used as a snaffle or curb and is most commonly used on heavy harness or plow horses. Identify this bit.

   A. Liverpool bit

   S. DET p. 170 1000/3
20. Q. What specific type of glucose metabolism or glycolysis results in the production of lactic acid?
   
   A. Anaerobic
   
   S. HIH 850-2  410/4

21. Q. What is the common term for the chronic infection that is caused by the bacteria Fusobacterium necrophorum?
   
   A. Thrush
   
   S. Kaier plate 24  815/4

22. Q. Who is the foundation sire for the Morgan horse?
   
   A. Justin Morgan (Figure)
   
   S. Evans p. 36  200/3

23. Q. What are the two species of lice that infest the horse?
   
   A. Bloodsucking (Sucking) and Biting
   
   S. DET p. 168  835/3
Toss Up – Bonus Attached

24. Q. Lateral movement is defined as when the horse moves with the forehand and haunches on different tracks. Give two examples of lateral movements.

   A. Shoulder in, haunches in (travers), haunches out (renvers), half pass, two track

   S. DET p. 165 980/4

Bonus Question

25. Q. (Bonus) Identify five advantages of using open-front sheds in comparison with traditional stabling for horses.

   A. Inexpensive to build and maintain
   Less labor and therefore more time available to handle horses, etc.
   Can be cleaned with a tractor and loader
   No daily stall cleaning
   Require less bedding
   Less space required for each horse than stalls
   Better ventilation
   Less respiratory problems
   Less digestive problems
   Better attitude of horses/Less stall vices
   Improved muscle tone/Less injuries with free exercise
   Fire safety/ Fires not likely to occur and horses not trapped

   S. Evans p. 772 920/5

Resume Open Questions

26. Q. Give two other terms for the conformation defect in which the back is concave and referred to as sway back.

   A. Easy backed, saddle backed, lordosis

   S. DET p. 172, 260 600/4
27. Q. The main function of the suspensory ligament is to prevent overextension of which joint?
   A. Fetlock joint
   S. Evans p. 708  410/4

28. Q. What is the most common color for the Shire?
   A. Black
   S. Evans p. 72  200/3

29. Q. What is the most important winter feed given to horses?
   A. Good quality hay
   S. YLM INT 204-2L  700/3

**Last Question of the Round**

30. Q. Plant poisoning due to pyrrolizidine alkaloids (PA) results in damage to and eventual failure of what organ?
   A. Liver
   S. Lewis p. 313  770/5