2010 New York State Senior 4-H Horse Bowl
Round 5

One-On-One

1. C1 Q. The Tevis Cup is an endurance trail ride that takes place in California each year. What famous route does this trail ride follow?

A. The route of the Pony Express

S. DET p. 266 1070/3

2. C2 Q. What endocrine gland secretes the hormone responsible for maintaining calcium and phosphorus levels?

A. Parathyroid

S. Evans p. 127 490/3

3. C3 Q. What is the term for a mechanical device that leads horses in a circle at a slow walk in order to exercise them or cool them after workouts?

A. Hot walker

S. Evans p. 784; DET p. 144 920/2

4. C4 Q. What breed of horse was developed in Northern Holland as a war horse, has a distinctive flowing trot, no white markings and is described as a black horse with feathering on the legs?

A. Friesian

S. DET p. 115 200/4

2010 New York State Senior 4-H Horse Bowl
Round 5

5. C1 Q. What is the common name for dermatitis granulosa?

A. Summer sores

S. DET p. 79 860/4

6. C2 Q. What does larking refer to in regards to foxhunting?

A. Jumping fences unnecessarily in the hunt field

S. DET p. 164 1080/3

7. C3 Q. What percent of the horse's total body weight is made up of water?

A. 65-75 percent (accept anything within this range)

S. ES p. 115 400/3

8. C4 Q. What scientific term refers to an organism whose chromosomes do not carry identical members of a given allele pair?

A. Heterozygous

S. ES p. 91 550/2

2010 New York State Senior 4-H Horse Bowl
Round 5

9. C1 Q. In show jumping, a round that is completed by the rider without jumping or time faults, would be described as what type of round?

A. Clean round (also accept clear round)

S. DET p. 58 1075/3

10. C2 Q. What breed of horse is sometimes called “rat-tailed” because of its characteristic sparse mane and tail?

A. Appaloosa

S. ES p. 51 200/3

11. C3 Q. What is the largest organ in the horse’s body?

A. The skin (also accept integument)

S. Kainer plate 5 460/3

12. C4 Q. How often should a manure pile be turned for aeration for optimum composting?

A. Every ten days

S. HIH 360-3 920/4

End One-On-One

2010 New York State Senior 4-H Horse Bowl
Round 5

Begin Open Questions

13. Q. During diestrus in the mare, the corpus luteum is formed and secretes what hormone?

    A. Progesterone

    S. Evans p. 323 510/4

14. Q. What is the term used when a horse is cantering on one lead in the front and a different lead in the back?

    A. Cross-cantering or cross-loping (also accept “disunited” canter or lope)

    S. ES p. 76 640/3

15. Q. What is the term for the cloth that is draped across the lap of passengers to keep them warm and dry when riding in a carriage?

    A. Apron or rug (also accept lap robe)

    S. DET p. 14 1050/4

16. Q. When your horse is carrying a pack load down a steep grade, what piece of rigging other than the cinch needs to be adjusted and pulled tighter?

    A. Breeching

    S. YLM 118-1L 1020/3

2010 New York State Senior 4-H Horse Bowl
Round 5

Toss Up – Bonus Attached

17. Q. What is the total number of bones found in the horse's two carpal joints?

A. 14 or 16 (accept either 14 or 16, do not accept 15)

S. Kainer plate 11 410/3

Bonus Question

18. Q. (Bonus) Name four things that horses utilize their sense of smell for,

A. To locate food
For mares to identify their foals
To smell predators or other danger
To identify marked territories of other horses or herds
To insure that food and water are of acceptable quality
To initiate sexual and breeding behavior
To identify people
To identify other horses
To identify objects

S. ES p. 61 910/3

Resume Open Questions

19. Q. What is the purpose of an antipruritic medication?

A. Relieves problems with itching or scratching

S. DET p. 13 805/4

2010 New York State Senior 4-H Horse Bowl
Round 5

20. Q. What structure is only present in equids and is a diverticulum or out pouching of the auditory tube?

A. Guttural pouch

S. Kainer plate 46 450/3

21. Q. What type of medication is an alcohol based substance applied to the horse's legs after exercise to prevent swelling?

A. Brace (also accept liniment)

S. DET p. 36, 169 805/3

22. Q. What part of the brain controls the basic body functions such as temperature, respiration and heart rate?

A. Brain stem (also accept medulla oblongata)

S. DET p. 37 420/3

23. Q. When talking about the management of horse facilities, what do the initials BMP stand for?

A. Best Management Practices

S. HIH 360-1 920/4

2010 New York State Senior 4-H Horse Bowl
Round 5

Toss Up – Bonus Attached

24. Q. Describe the difference between the dressage movements traverse and renvers.

A. Traverse is haunches in
Renvers is haunches out

S. DET p. 232, 274 1090/4

Bonus Question

25. Q. (Bonus) Name **three** of the five types of white blood cells found in the horse's blood.

A. Eosinophils
Neutrophils
Basophils
Monocytes
Lymphocytes
(also accept mast cells)

S. DET p. 293 440/4

Resume Open Questions

26. Q. Body tissues, especially cell membranes, are protected from oxidation-induced damage by selenium and which vitamin?

A. Vitamin E

S. Lewis p. 28 740/3

2010 New York State Senior 4-H Horse Bowl
Round 5

27. Q. A synthetic breed is started by crossing two or more breeds and then breeding the first generations of the crossbred animals. Identify two of the four breeds that produced the Trottingbred pony.

A. Standardbred, Shetland, Hackney and Welsh

S. Evans p. 67 200/4

28. Q. For fire safety, a building for hay storage should be located at least how many feet from any other structures?

A. At least 100 feet away

S. Evans p. 781 920/3

29. Q. What muscular structure is covered with the peritoneum on its abdominal surface and the pleura on its thoracic side?

A. Diaphragm

S. Kainer pate 56 410/4

Last Question of the Round

30. Q. What is a combination horse?

A. A horse that can be ridden under saddle or driven in harness

S. DET p. 62 1070/3