### One-On-One

| C1 | Q. | Episodes of muscular weakness due to low levels of potassium<br>known as Hyperkalemic Periodic Paralysis is found primarily in<br>certain lines of which breed of horses? |   |  |
|----|----|---|---|--|
|    | A. | Quarter Horse.  |   |  |
|    | S. | DET pg 146, HIH 1060-3  | 200/4   |  |
| C2 | Q. | Where does the duct that the tears produced by the lacrimal glands of the eye drain to?   |   |  |
|    | A. | The nasal cavity.   |   |  |
|    | S. | Kainer plate 45   | 420/3   |  |
| C3 | Q. | -   | ooth is a premolar, but not considered one of the cheek s variable in the number present and is found in the ntal space?  |  |
|    | A. | Wolf teeth.   |   |  |
|    | S. | HIH 405-1 & 2, DET pg 295   | 430/3   |  |
| C4 | Q. | Where is the largest concentration of iron found in the horse's body?   |   |  |
|    | A. | In the hemoglobin found in red blood cells. (Accept answers of hemoglobin, red blood cells or blood).   |   |  |
|    | S. | Lewis pg 38   | 440/3   |  |
|    | C2 | A. S. C2 Q. A. S. C3 Q. A. S. C4 Q. A.  | known as Hyperkalemic Periodic Parcertain lines of which breed of horses  A. Quarter Horse.  S. DET pg 146, HIH 1060-3  C2 Q. Where does the duct that the tears proglands of the eye drain to?  A. The nasal cavity.  S. Kainer plate 45  C3 Q. What tooth is a premolar, but not conteeth, is variable in the number present interdental space?  A. Wolf teeth.  S. HIH 405-1 & 2, DET pg 295  C4 Q. Where is the largest concentration of body?  A. In the hemoglobin found in red blood hemoglobin, red blood cells or blood? |  |

| 5.    | C1 | Q. | Which size grain kernels – large such as oats, barley and or small such as rye, wheat and milo - does processing of improve their digestibility for healthy mature horses?  |       |
|-------|----|----|---|-------|
|       |    | A. | Small grains.   |       |
|       |    | S. | Lewis pg 77   | 700/3 |
| 6. C2 |    | Q. | If two cereal grains are of equal quality, then when looking at<br>the energy provided by each grain, what is the primary<br>consideration on selecting one over the other? |       |
|       |    | A. | Cost.   |       |
|       |    | S. | Lewis pg 72   | 710 4 |
| 7. C  | C3 | Q. | What is the wedge shaped structure of the hoof that lies<br>between the lateral cartilages on either side, the deep digital<br>flexor tendon on top and the frog below?     |       |
|       |    | A. | The digital cushion.  |       |
|       |    | S. | Kainer plate 24 & 27  | 400/4 |
| 8.    | C4 | Q. | What two bones lie between the stifle and the tarsus?   |       |
|       |    | A. | Tibia and fibula.   |       |
|       |    | S. | Kainer plate 6  | 400/2 |
|       |    |    |   |       |

| 9.     | C1 | Q. | What is the common term used to describe the 2nd and 4 metacarpal bones in the horse?                        |                           |
|--------|----|----|--|---------------------------|
|        |    | A. | Splint bones.  |                           |
|        |    | S. | Kainer plate 12  | 400/3                     |
| 10. C2 |    | Q. | Why do the front legs have a greater frequency of unsoundness from concussion and trauma in the horse?       |                           |
|        |    | A. | The front legs carry the majority of the weight of the horse (60 - 65%).                                     |                           |
|        |    | S. | Evans pg 145   | 600/3                     |
| 11.    | C3 | Q. | What tendon is inflamed and swollen bowed tendon?  | in the condition called   |
|        |    | A. | Superficial digital tendon (also accept digital tendon).   | t digital tendon and deep |
|        |    | S. | Lewis pg 216 & 383, Kainer plate 19  | 800/3                     |
| 12.    | C4 | Q. | Which grain should not make up more grain mix because of the potential prodough-ball in the horse's stomach? |                           |
|        |    | A. | Wheat.   |                           |
|        |    | S. | AYHC-YLM-ADV 302-2 L   | 700/4                     |
|        |    |    |  |                           |

| 13. C1 |    | Q. | What is the scientific name for the ligament that attaches the splint bone to the cannon bone? |                          |  |
|--------|----|----|--|--------------------------|--|
|        |    | A. | Interosseous ligament.   |                          |  |
|        |    | S. | Evans pg 158-9, DET pg 154   | 400/4                    |  |
| 14. C2 |    | Q. | The horse's first eight ribs articulate structure?   | with the sternum by what |  |
|        |    | A. | Costal cartilages.   |                          |  |
|        |    | S. | Kainer plate 8   | 400/4                    |  |
|        |    |    |  |                          |  |
| 15. C3 |    | Q. | Name the two sets of muscles that function to expand the thoral for inspiration.               |                          |  |
|        |    | A. | <ul><li>1 – Diaphragm.</li><li>2 – Intercostal muscles.</li></ul>                              |                          |  |
|        |    | S. | HIH 810-1  | 450/3                    |  |
| 16.    | C4 | Q. | In the horse, can canines or tushes be found in the male, female or both?                      |                          |  |
|        |    | A. | Both.  |                          |  |
|        |    | S. | Lewis pg 177   | 430/3                    |  |
|        |    |    |  |                          |  |

### **End One-On-One**

# **Begin Open Questions**

| 17. | Q.  | What is the name of the 6 foot long length of rope used to tie the three legs of the calf in calf roping events?                                  |                               |  |
|-----|---|---|-------------------------------|--|
|     | A.  | Piggin' String.   |                               |  |
|     | S.  | DET pg 212  | 1060/5                        |  |
| 18. | Q.  | Ringbone is found on the joints of the short pastern and can be classified as high or low. If it involves the pastern joint how is it classified? |                               |  |
|     | A.  | High ringbone.  |                               |  |
|     | S.  | Evans pg 161, Lewis pg 401  | 800/3                         |  |
| 19. | Q. What is the difference in the action on the nerve of a "nerve and "nerving"? |   |                               |  |
|     | A.  | A nerve block uses a local anesthetic to surgery or to diagnose a site of pain. In nerve to more permanently relieve pair                         | Nerving is the cutting of the |  |
|     | S.  | Kainer plate 22, Lewis pg 397   | 420/4                         |  |
| 20. | Q.  | Other than urine and sweating, name one other pathway of physiological water loss from a horse's body.  |                               |  |
|     | A.  | Feces, lactation, or respiration.   |                               |  |
|     | S.  | Evans pg 244, Lewis pg 4  | 760/3                         |  |

#### Toss Up – Bonus Attached

- 21. Q. Two part question: Your horse is five years old. On examining the mouth you see that the upper third deciduous premolar is still present. What would you call this dental condition and what problem might it cause?
  - A. A cap or retained deciduous tooth, discomfort which affects eating or performance.
  - S. HIH 405-3

430/3

#### **Bonus Question**

- 22. Q. Bonus question: Name three things important to the balance of the horse whose length is determined by shoulder angle.
  - A. Length of neck.

Length of Stride.

Length of back.

Depth of hearth girth.

S. AYCH-YLM-INT 223-2 L

600/4

### **Resume Open Questions**

- 23. Q. The radius and ulna make up what part of the horse?
  - A. The forearm.
  - S. Evans pg 684, DET pg 216 & 247 400/2

- 24. Q. Fat soluble vitamins, B vitamins, Calcium and Phosphorus are absorbed in what part of the horse's digestive tract?
  - A. Small intestine.
  - S. AYHC-YLM-ADV 303-1 L

430/3

- 25. Q. What is the name for the structure lying behind the pupil that focuses the light rays to form the image on the retina?
  - A. Lens.
  - S. DET pg 167

420/3

#### **Toss Up – Bonus Attached**

- 26. Q. Name two items that can be added to a regular stock saddle to keep it centered on the animal's back and allow it to be used as a pack saddle.
  - A. Breeching, breastplate or croupier (crupper).
  - S. AYHC-YLM-BEG 118-1-2, HIH 1125-1

1020/4

#### **Bonus**

- 27. Q. Bonus question: From distal to proximal name the seven joints of the pelvic limbs.
  - A. Coffin, pastern, fetlock, hock, stifle, hip and sacroiliac.
  - S. Evans pg 98

400/3

#### **Resume Open Questions**

28. Q. What bone articulates with both the middle and distal phalanges?

A. The Navicular bone, distal sesamoid bone or shuttle bone.

S. Kainer plate 12

400/3

29. Q. What is the common term used to define the injury of the horse where the periosteum of the anterior surface of the cannon bone is inflamed and swollen?

A. Bucked shins.

S. Lewis pg 217

800/3

#### **Last Question of the Round**

30. Q. The oldest and most common method of selecting hay is a hands-on appraisal. Other than a visual inspection what two other methods of examination would be used?

- A. Feel and Smell.
- S. HIH 750-5

700/3