Round 1 One-On-One

| 1. C1 | Q. What is the name for original "Big Red"? | or the famous | Thoroughbred horse that was | referred to as the | |
|-------|---|---|--------------------------------|--------------------|--|
| | A. Man-O-War | | | | |
| | S. Evans p. 22 | 200/2 | | | |
| 2. C2 | Q. What slang term rerace or workout? | fers to a racing | g stable employee who walks a | hot horse after a | |
| | A. Hot walker | | | | |
| | S. DET p. 144 | 1070/3 | | | |
| 3. C3 | Q. What term refers to | Q. What term refers to the right side of the horse? | | | |
| | A. Off side or far side | | | | |
| | S. DET p. 194 | 400/2 | | | |
| 4. C4 | Q. Which gait is commonly referred to as the "plantation gait"? | | | | |
| | A. Running walk | | | | |
| | S. Evans p. 178 condition score? | 6405. C1 | Q. Healthy horses usually ha | ave what body | |
| | A. 4 to 6 (accept anything within that range) | | | | |
| | S. HIH 780-1 | 800/2 | | | |
| 6. C2 | Q. What type of equip eight noseband? | ment is descri | bed as a cross between a caves | son and a figure | |
| | A. Flash noseband | | | | |
| | S. DET p. 109 | 1000/3 | | | |

| 7. C3 | Q. What is the result of breeding a donkey and a stallion? | | | |
|--------|--|---|--|--|
| | A. Hinny | | | |
| | S. Griffiths p. 22 | 500/2 | | |
| 8. C4 | Q. What current breed v | vas formerly known as the "Palouse horse"? | | |
| | A. Appaloosa | | | |
| | S. HIH 152B-1 | 200/2 | | |
| 9. C1 | Q. In general what does | the prefix "hepato" indicate? | | |
| | A. Condition related to the liver | | | |
| | S. DET p. 138 | 430/3 | | |
| 10. C2 | Q. What is the common as dominance hierarchy | term for the behavior referred to? | | |
| | A. Pecking order | | | |
| | S. Evans p. 677 | 910/2 | | |
| 11. C3 | | n processed by rolling the kernels between d be described as what type of processing? | | |
| | A. Crimped or crimping | | | |
| | S. Lewis p. 386 | 790/2 | | |
| 12. C4 | Q. What type of knot form a | orms the eye of the lariat that the rope a loop? | | |
| | A. Honda | | | |
| | S. DET p. 141 | 1000/3 | | |
| | | | | |

Begin Open Questions

- 13. Q. What type of Western saddle is being described? It **usually** has **no** horn; its most notable feature is the high "thigh rolls" located near the front of the saddle and it is often used for trail riding.
 - A. Australian saddle
 - S. YLM BEG 108-2L

1000/2

- 14. Q. The withers, back, coupling and croup are collectively referred to by what conformation term?
 - A. Top line
 - S. YLM ADV 323-2L

600/2

Toss Up – Bonus Attached

- 15. Q. Identify **two** types of teeth that would be present at birth or erupt within the first 2 weeks of life.
 - A. Deciduous **central** incisors and premolars (must specify central incisors but do not need to include deciduous in answer)
 - S. YLM ADV 304-1L

435/3

Bonus Question

- 16. Q. Identify **two** general physiological processes in the horse that are affected by the length of daylight.
 - A. Hair coat; female reproduction (estrous cycles); male reproduction (testosterone production, sperm production)
 - S. YLM ADV 304-2L; YLM ADV 327-2L; HIH 910-8 400/3

Resume Open Questions

- 17. Q. What term refers to the feces of a foal and is described as a yellow pasty material indicating that the meconium has been passed?
 - A. Milk feces
 - S. HIH 950-2

500/3

- 18. Q. What breed of horse is described as a combination of any breeds that are not 100% hot-blood or 100% cold-blood?
 - A. Warmblood
 - S. HIH 151B-1

200/3

- 19. Q. You are an equine construction specialist and are preparing a site for a new barn. In regards to topography, what would be your recommendation for grading the soil to facilitate proper drainage and prevent erosion?
 - A. Slope of 2 to 6 percent
 - S. HIH 320-2

920/2

Toss Up – Bonus Attached

- 20. Q. The ingestion of which **two** plants would result in the condition nigropallidal encephalomalacia?
 - A. Yellow Star Thistle (Centaurea solstitialis) and Russian Knapweed (Centaurea repens)
 - S. Lewis p. 318

770/3

Bonus Question

- 21. Q. A spavin is a disease of the hock joint. What are the **four** different types of spavins?
 - A. Blind spavin (occult spavin)

 Bone spavin (true spavin or jack spavin) Blood spavin

 Bog spavin
 - S. Lewis p. 404

Resume Open Questions

| 22. | Q. What is the name of the person who looks after the horses on a trail ride? | |
|------|---|--|
| | A. Wrangler | |
| | S. DET p. 295 | 1070/2 |
| 23. | Q. Which current breed of | horse was previously known as a Golden Isabella? |
| | A. Palomino | |
| | S. Evans p. 50 | 200/3 |
| 24. | Q. Which internal parasite | larvae cause the skin lesions known as "summer sores"? |
| | A. Stomach worms (Habro | nema) |
| | S. Griffiths p. 190 | 835/2 |
| 25. | Q. Describe a four-in-hand | hitch. |
| | A. Two pairs with one pair | in front of the other |
| | S. DET p. 114 | 1050/2 |
| Toss | Up – Bonus Attached | |
| 26. | Q. What are the three basic | c types of forward seat saddles? |
| | A. All purpose, close conta | ct (also accept jumping) and dressage |
| | S. HIH 1100-1 | 1100/3 |
| | | |

Bonus Question

27. Q. Identify **four** general reasons why a horse may refuse a feed.

A. Illness or disease Overfeeding

Insufficient water Something is wrong with the feed

Dental problems Sore tongue or mouth

Not familiar with the food When the horse is stressed

S. HIH 735-2; Lewis p. 151 700/3

Resume Open Questions

- 28. Q. Which nerve is responsible for motor control of the eyelid, ear and facial muscles?
 - A. Facial nerve
 - S. Kainer plate 78

420/3

- 29. Q. You are completing a cross country race and are approaching a brush fence with a white flag on the right side of the obstacle. What does this indicate?
 - A. You are approaching the fence from the wrong direction (the white flag should be on the left side of the obstacle)
 - S. DET p. 293

1075/2

- 30. Q. Lethal white foal syndrome is a genetic lethal associated with which **specific** color pattern?
 - A. Frame overo (must specify "frame" overo)
 - S. Griffiths p. 49

550/3

- 31. Q. What breed is a result of crossing an Arabian and American Saddlebred horse?
 - A. National Show Horse
 - S. DET p. 188

Last Question of the Round

- 32. Q. In regards to evolution, which ancestor of the horse was the first to have the 2 side toes transformed into splint bones?
 - A. Pliohippus
 - S. Griffiths p. 9

Round 2 One-On-One

| 1. C1 | Q. What term describes a splotch of dark color on a base coat color? | | |
|-------|---|--|--|
| | A. "Blood mark" | | |
| | S. Griffiths p. 310/3 310/3 | | |
| 2. C2 | Q. What anatomical structure receives oxygenated blood from the left gastric artery? | | |
| | A. Stomach | | |
| | S. Kainer plate 60 440/3 | | |
| 3. C3 | Q. What is the second race in the Triple Crown for 3 year old Thoroughbreds? | | |
| | A. Preakness | | |
| | S. DET p. 219 1040/2 | | |
| 4. C4 | Q. What canine-related phrase is a slang term for a horse that is weak in its coupling and shallow in the flank? | | |
| | A. Hound-gutted | | |
| 5. C1 | S. Evans p. 152 600/2 Q. Winging-in is associated with what conformation defect? | | |
| | A. Splay footed (toed-out) | | |
| | S. Evans p. 151 600/2 | | |
| 6. C2 | Q. Vesicular stomatitis is a viral disease that results in the formation of vesicles in the mouth and on the lips, hooves and teats. What is a vesicle? | | |
| | A. Fluid filled sac (blister) | | |
| | S. HIH 685-1; DET p. 282 860/3 | | |

| 7. C3 | Q. Green forage is an important source of which essential vitamin? | | |
|-------------------|--|---|--|
| | A. Vitamin A | | |
| | S. Lewis p. 46 | 740/2 | |
| 8. C4 | Q. Which type of bit may used on heavy harness or | be used as a snaffle or a curb and is commonly plow horses? | |
| | A. Liverpool bit | | |
| | S. DET p. 170 | 1000/2 | |
| 9. C1 | Q. In general, what type of | of fencing is considered to have the longest life expectancy | |
| | A. PVC (vinyl) | | |
| | S. Evans p. 768 | 920/2 | |
| 10. C2 known a | Q. A thin protrusion of mas what shoe alteration? | etal on the ground surface of the toe of a racing plate is | |
| | A. Toe grab (toe grip) | | |
| | S. DET p. 270 | 900/2 | |
| 11. C3 blood? | Q. Which endocrine gland | d is responsible for the maintenance of calcium levels in the | |
| | A. Parathyroid (also accept thyroid due to the hormone calcitonin) | | |
| | S. DET p. 204 | 490/3 | |
| 12. C4 | Q. Who is the foundation | sire for the American Albino? | |
| | A. Old King | | |
| | S. Evans p. 23 | 200/3 | |
| End On | e-On-One | | |

Begin Open Questions

- 13. Q. For what length of time are sperm viable in the reproductive tract of the mare?
 - A. 48 to 72 hours (accept anything within that range)
 - S. Evans p. 396

520/3

- 14. Q. What sensory deficit is exhibited in Belgian horses with the genetic condition aniridia?
 - A. Sight (also accept blindness although aniridia does not always cause blindness)
 - S. Evans p. 516

530/3

Toss Up – Bonus Attached

- 15. Q. Identify **two** other terms for the blemish commonly referred to as mud fever.
 - A. Grease, grease heel, scratches, cracked heel
 - S. Evans p. 167; DET p. 183

620/2

Bonus Question

- 16. Q. Describe **three** methods that can be used to help establish a patent or effective airway for a foal that is not breathing after delivery.
 - A. Clear and remove fetal membranes from over nostrils
 Place foal on sternum (head outstretched with rear end elevated)
 Gently remove fluids from nostrils with fingers
 Tickle inside of nose to induce sneezing
 Suction fluids from mouth using a bulb syringe
 Rub with towels
 - S. Lewis p. 251

500/3

Resume Open Questions

- 17. Q. In general, you should graze horses when forages are 6-8 inches high. What type of forage is an exception to this rule?
 - A. Kentucky bluegrass or White clover (ladino) (can be grazed at 4 inches)
 - S. HIH 735-2

780/2

- 18. Q. You are the conditioning veterinarian judge for an endurance trail ride. What condition would these vital signs indicate? Temperature 102 degrees, heart rate 80 beats/minute and respirations 100 breaths per minute.
 - A. Inversion (respiratory rate higher than the pulse rate)
 - S. YLM BEG 115-1L

800/2

- 19. Q. A caudal epidural anesthetic would result in numbness in whatareas of the horse?
 - A. Hind legs (also accept pelvic and groin regions)
 - S. DET p. 51

805/2

Toss Up – Bonus Attached

- 20. Q. Other than salt, identify **two** other minerals that would be found in trace mineralized salt.
 - A. Manganese, iron, cobalt, copper, iodine or zinc
 - S. YLM ADV 302-2L

750/3

Bonus Question

- 21. Q. What specific color would be the result of a single dilution of the following **three** colors with the dominant dun dilution gene…black, bay and chestnut?
 - A. Black grullo

Bay – zebra dun

Chestnut – Red dun (Claybank dun)

S. HIH 1040-2

550/3

Resume Open Questions

| 22. | Q. What is the correct category for the behavior described as contagious or infectious behavior? | | | |
|------|--|--|--|--|
| | A. Allelomimetic | | | |
| | S. Evans p. 676 | 910/2 | | |
| 23. | Q. What type of bar shoe would be used for a horse with navicular disease? | | | |
| | A. Egg bar (do not accept he | eart bar) | | |
| | S. HIH 515-4 | 900/3 | | |
| 24. | Q. What is the common term | n for the disease Borreliosis? | | |
| | A. Lyme Disease | | | |
| | S. HIH 655-1 | 800/3 | | |
| 25. | Q. What mineral is essentia | l for the synthesis of vitamin B12? | | |
| | A. Cobalt | | | |
| | S. Griffiths p. 137 | 750/3 | | |
| Toss | Up – Bonus Attached | | | |
| 26. | Q. Which two parasites are | most common in foals up to 6 months old? | | |
| | A. Roundworms (parascaris Threadworms (strongylo | <u>-</u> | | |
| | S. HIH 950-9 | 835/3 | | |
| Bonu | s Question | | | |

| 27. | Q. From distal to proximal identify the three parts of the small intestine. | |
|-------------|--|---|
| | A. Ileum, jejunum and duod | lenum |
| | S. Kainer plate 51 | 430/3 |
| Resu | me Open Questions | |
| 28. sudde | Q. Plant poisoning from coren death poisoning? | nsumption of Milkweed would be treated as what type of |
| | A. Cardiac (cardiac glycosic | de) sudden death poisoning |
| | S. Lewis p. 334 | 770/3 |
| 29. | Q. What term refers to the t | eam of horses behind the lead team in an 8-horse hitch? |
| | A. Point team | |
| | S. DET p. 215 | 1050/2 |
| 30. What | Q. Your horse sustained a la would be your initial action | aceration and has bright red blood spurting from the wound to control the bleeding? |
| | A. Direct pressure to the wo | ound |
| | S. HIH 440-2 | 860-2 |
| 31. | Q. Which farrier tool would | l be used to correct a flare? |
| | A. Rasp | |
| | S. HIH 530-2 | 900/2 |
| Last | Question of the Round | |
| 32. | Q. What breed was develop | ed by the east coast Indians? |
| | A. Chickasaw | |
| | S. DET p. 55 | 200/2 |

Round 3 One-On-One

| 1. C1 | Q. What type of joint is an enarthrosis? | | |
|------------------|--|---|--|
| | A. Ball and socket | | |
| | S. Evans p. 688 | 410/3 | |
| 2. C2 | Q. What term refers to the | 7 ½ or 8 minute time period in a polo match? | |
| | A. Chukka (also accept ch | ukker) | |
| | S. DET p. 56 | 1070/3 | |
| 3. C3 | Q. In general, what does the prefix "cysto" refer to? | | |
| | A. Bladder | | |
| | S. DET p. 76 | 470/3 | |
| 4. C4 | Q. Which type of pack saddle is rigged for a double cinch? | | |
| | A. Crossbuck (sawbuck) | | |
| | S. HIH 1125-1 | 1000/2 | |
| 5. C1 protection | - • • | ld be a good choice for a horse that needs temporary show out enough to handle nailing a shoe in place? | |
| | A. Glue-on shoe | | |
| | S. HIH 515-5 | 900/3 | |
| 6. C2 | Q. What is the scientific name for the common horse bot? | | |
| | A. Gastrophilus intestinali | s | |
| | S. HIH 430-3 | 835/3 | |

| 7. C3 Q. Blood is pulled from the peripheral circulation to the intervital organs in a horse with shock. How would this physiologrocess affect the capillary refill time? | | shock. How would this physiological | |
|---|---|--|--|
| | A. Delayed or slower capilla | ary refill | |
| | S. Griffiths p. 163 | 800/3 | |
| 8. C4 | Q. Which type of melanin cored and yellow pigment? | ontrols the expression of | |
| | A. Pheomelanin | | |
| | S. Griffiths p. 93 | 550/3 | |
| 9. C1 Q. There are 5 walk gaits in a dressage test. Which o have a footfall pattern where the hind feet touch the g footprints of the forefeet? | | | |
| | A. Collected walk | | |
| | S. Evans p. 174 | 640/3 | |
| 10. C2 | Q. Identify one of the breeds that the Tennessee Walking Horse was developed from. | | |
| | A. Standardbred, Morgan or | Narragansett pacer | |
| | S. Evans p. 40 | 200/3 | |
| 11. C3 | Q. A feed containing 10% cr would be appropriate for wh | rude protein and 15% crude fiber at type of horse? | |
| | A. Mature idle horse or hors | e with minimal work | |
| | S. HIH 745-5 | 700/2 | |
| | | | |

- 12. C4 Q. Thrombocytes are commonly referred to as what type of blood cells?
 - A. Platelets
 - S. DET p. 214

440/3

End One-On-One Begin Open Questions

- 13. Q. You do the math...How many furlongs is a 1 ½ mile race?
 - A. 12 furlongs (1 furlong equals 1/8 mile)
 - S. DET p. 116

1040/3

- 14. Q. What are you doing if you are fuzztail running?
 - A. Herding and catching wild horses
 - S. DET p. 116

1070/3

Toss Up – Bonus Attached

- 15. Q. Identify the **three** "rough stock" events at a rodeo.
 - A. Saddle bronc riding, bareback riding and bull riding
 - S. DET p. 237

1060/3

Bonus Question

- 16. Q. Identify **three** of the hormones produced by the anterior pituitary.
 - A. Growth hormone (GH)

Adrenocortocotropin (ACTH)

Luteinizing hormone (LH)

Follicle stimulating hormone (FSH)

Thyrotropin (thyroid stimulating hormone, TSH)

Prolactin

S. Evans pp. 126-127

490/3

Resume Open Questions

- 17. Q. What term refers to the mounted horseman who rode on the outside of a stagecoach for protection from bandits?
 - A. Outrider
 - S. DET p. 198

100/3

- 18. Q. In general, what does the prefix "leuko" refer to?
 - A. White blood cells
 - S. DET p. 168

400/3

- 19. Q. What type of negative reinforcement would be demonstrated by a horse moving away from pressure to avoid a more severe pressure?
 - A. Avoidance
 - S. YLM ADV 320-2L

980/2

Toss Up – Bonus Attached

- 20. Q. (Two Part) In regards to maturity, what is the **term** that describes the optimal growth stage for harvesting legumes and what is the optimal growth stage for harvesting grasses?
 - A. Legumes bud or vegetative stage (just prior to when the legumes flower); Grasses early or boot stage (when grasses begin to show heads through the sheath)
 - S. Lewis p. 68

780/3

Bonus Question

- 21. Q. Premature separation of the placenta during parturition resulting in hypoxia is a known cause for neonatal maladjustment syndrome. Identify **three** terms used to describe these foal as they progress through the stages of this disorder.
 - A. Wanderer, dummy, convulsive or barker foal
 - S. HIH 950-8

Resume Open Questions

- 22. Q. The process that uses intense cold to destroy the pigments cells of the skin and that is used for identification of livestock is known as what procedure?
 - A. Freeze branding
 - S. Evans p. 809

920/3

- 23. Q. What is the **specific** location of the metatarsalphalangeal joint?
 - A. Hind fetlock joint (must specify hind for correct answer) (may also accept hind ankle or hind ankle joint)
 - S. Evans p. 689

410/3

- 24. Q. When looking at the feed tag for the concentrate you are currently feeding you notice the abbreviation GRAS. What does GRAS indicate?
 - A. Generally Recognized as Safe (safe for animal consumption)
 - S. Lewis p. 391

700/4

- 25. Q. During the past 6 months horses across the United States were more likely to ingest poisonous plants due to what predominant weather condition?
 - A. Drought conditions
 - S. Lewis p. 301

770/3

Toss Up – Bonus Attached

- 26. Q. (Two Part) What is the primary function of FSH in the mare and what is the primary function in the stallion?
 - A. Mare stimulates growth of follicles in the ovaries Stallion – stimulates spermatogenesis (sperm production) in the testes
 - S. Lewis p. 390

490/3

Bonus Question

- 27. Q. Stainless steel is the most common material bits are made from. Identify **four** other materials bits are made from.
 - A. German silver, solid nickel (or Never Rust), copper, aluminum, rubber, vulcanite or happy mouth
 - S. HIH 1100-10

1000/3

Resume Open Questions

- 28. Q. What is the main physiological function of erythrocytes?
 - A. Transport oxygen in the blood
 - S. HIH 830-1

440/2

- 29. Q. What is the only draft horse breed recognized as originating in the United States?
 - A. American Cream
 - S. HIH 155B-1

200/3

- 30. Q. If hay is stored above stalls, the bales of hay should be **at least** how far from the outside walls to allow hot, moist air to escape?
 - A. At least 12 inches
 - S. HIH 320-9

920/3

- 31. Q. What is the common term for the external parasite of the tabanids species?
 - A. Horse fly
 - S. HIH 415-2

835/3

Last Question of the Round

32. Q. In general, in regards to the horse, what designates a fall?

A. When both the shoulder and quarter (hip area) on the same side touch the ground

S. DET p. 103

Round 4 One-On-One

| 1. C 1 | Q. What color dilution is often referred to as type B albino? | | | |
|---------------|---|---|--|--|
| | A. Perlino | | | |
| | S. DET p.209 | 300/3 | | |
| 2. C2 | _ | with a free hand is referred to by the slang term a disqualification in what rodeo event? | | |
| | A. Saddle bronc riding | | | |
| | S. DET p. 222 | 1060/3 | | |
| 3. C3 | Q. What term refers to the female side of the pedigree? | | | |
| | A. Distaff side (also accept dam side) | | | |
| | S. DET p. 82 | 220/3 | | |
| 4. C4 | Q. What type of sudden death poisoning would be the result of ingestion of water hemlock? | | | |
| | A. Alkaloid sudden dea | th | | |
| | S. Lewis p. 334 | 770/3 | | |
| 5. C1 | Q. What anatomical structure of the auditory tube? | acture in the horse is described as a diverticulum | | |
| | A. Guttural pouch | | | |
| | S. Kainer plate 46 | 400/3 | | |
| 6. C2 | Q. What is the difference | ce between a roached mane and a hogged mane? | | |
| | A. Hogged mane is clipped to a length of no more than 3 inches; Roached mane is clipped close to the skin (less than 3 inches) | | | |
| | S. DET p. 141, 235 | 950/3 | | |

| 7. C3 | Q. When fox hunting, what does the cry holloa indicate? | | |
|--------|--|-----------------------------|--------------------------|
| | A. The fox has been sighted | | |
| | S. DET p. 141 | 1080/3 | |
| 8. C4 | Q. In general, what does the suffix | "itis" indicate? | |
| | A. Inflammation | | |
| | S. DET p. 67, 118, 138 (multiple | other pages) 400/3 | |
| 9. C1 | Q. What is unique in the horse in a and stride frequency, especially at | | ency |
| | A. 1:1 ratio (respiratory rate equal | s number of strides) | |
| | S. YLM ADV 325-2L | 980/3 | |
| 10. C2 | Q. What specific term refers to the for a pregnant broodmare with pne | | edure that would be used |
| | A. Caslick's | | |
| | S. YLM INT 230-1L | 510/3 | |
| 11. C3 | Q. What is the diploid number of | chromosomes for a donkey | ? |
| | A. 62 diploid chromosomes | | |
| | S. Griffiths p. 20 | 550/3 | |
| 12. C4 | Q. What phase of the stride occurs | when all 4 feet are off the | ground? |
| | A. Period of suspension | | |
| | S. Griffiths p. 74 | 640/3 | |
| | | | |

End One-On-One

Begin Open Questions

- 13. Q. What term refers to bursts of white on a gray coat color?
 - A. Rosettes
 - S. Griffiths p. 45

300/4

- 14. Q. What would be the general location of the manubrium and xiphoid process?
 - A. Sternum
 - S. Kainer plate 8

410/3

Toss Up – Bonus Attached

- 15. Q. Identify **two specific** types of parasites that would cause pruritis ani.
 - A. Pinworms (oxyuris equi)

Tail mange mite (also accept mange mite) (chorioptes equi) Biting louse (must specify **biting** louse) (damalinia equi)

S. Evans p. 641

835/4

Bonus Question

- 16. Q. Identify **three** of the four breeds that the Paso Fino breed was developed from.
 - A. Andalusian, Barb, Spanish Jennet and Friesian
 - S. Evans p. 43

200/4

Resume Open Questions

- 17. Q. A broodmare whose foal is in a "flexed capri" position would need what problem corrected to enable normal vaginal delivery?
 - A. Knees are bent, so the foal would need repositioned and the front legs straightened into normal position for delivery
 - S. Evans p. 424

- 18. Q. What type of electric fence is considered to be safer because it is more visible and less injurious to the horse?
 - A. Electric tape
 - S. Evans p. 767

970/3

- 19. Q. What is the term for the Australian game on horseback that is based on polo and lacrosse?
 - A. Polo crosse
 - S. DET p. 217

1070/4

Toss Up – Bonus Attached

- 20. Q. Identify the **three** general types of clinchers or clinching tongs.
 - A. Saddle horse, gooseneck and draft horse
 - S. YLM BEG 116-2L

900/3

Bonus Question

- 21. Q. Identify **six** of the macro-minerals required by the horse.
 - A. Calcium

Sodium

Phosphorus

Chloride

Potassium

Magnesium

Sulfur

S. Griffiths p. 131

750/3

Resume Open Questions

- 22. Q. In general, what does the prefix "desmo" indicate?
 - A. Ligament
 - S. DET p. 79

- 23. Q. What type of bit is non-allergic?
 - A. Happy Mouth
 - S. HIH 1100-10

1000/3

- 24. Q. There are 2 viruses that cause Rhinopneumonitis. Which of these can result in respiratory and neurologic symptoms as well as abortion in pregnant mares?
 - A. EHV-1 (Equine Herpes Virus 1)
 - S. HIH 610-2

850/3

- 25. Q. You do the math... If the cardiac output is 35 liters and the heart rate is 35 beats per minute... What is the stroke volume?
 - A. 1 liter
 - S. Evans p. 111

440/3

Toss Up – Bonus Attached

- 26. Q. In general, for successful ejaculation of the stallion, an artificial vagina must provide what **two** physical characteristics?
 - A. Must provide warmth and pressure
 - S. Evans p. 378

500/4

Bonus Question

- 27. Q. Your job at a breeding farm is management of the pregnantbroodmares. Identify four management practices you follow in regards to **herd management** to prevent an abortion storm.
 - A. Isolate all new arrivals for at least 21 days

Keep pregnant mares separated from weanlings and other horses

Do not mix maiden mares with older mares

Divide pregnant mares into small groups by the stage of pregnancy

Keep mares in group until all in group have foaled

If pregnant mares are moved off the farm and later return – do not reintroduce them into the original group

If a foster mare is introduced do not place her in a group with other mares Maintain all pregnant mares on vaccination program

S. HIH 610-3

Resume Open Questions

| 28. | Q. What hormone is primarily responsible for diestrus? | |
|--------------------------|--|---|
| | A. Progesterone | |
| | S. Kainer plate 71 | 510/3 |
| 29. | Q. What is the common term | n for the tuber coxae? |
| | A. Hip | |
| | S. Evans p. 687 | 410/3 |
| 30. cartila infect | ages. What term refers to the | n associated with ossification of the collateral (or lateral) condition that occurs when the collateral cartilages become |
| | A. Quittor | |
| | S. HIH 455-5 | 810/4 |
| 31. | Q. Which contains more cru | de fiber – complete feeds or long stem hay? |
| | A. Long stem hay | |
| | S. HIH 741-1 | 780/3 |
| Last | Question of the Round | |
| 32. blindr | = | edical terms for the condition commonly referred to as moon |
| | A. Periodic opthalmia, recur | rent uveitis |
| | S. Evans p. 521 | 800/4 |
| | | |

Round 5 One-On-One

| 1. C1 | Q. At what age are all of the permanent incisors in place? | | |
|--------------------|---|--|----|
| | A. 4 ½ years | | |
| | S. Kainer plate | 453/3 | |
| 2. C2 | Q. What two criteria c jumping competition? | etermine the winner of an "against the clock" | |
| | A. The rider with the fastest time and the fewest faults | | |
| | S. DET p. 4 | 1075/3 | |
| 3. C3 tail. Bro | _ | described? Dun color with a dorsal stripe and black mane are the Ice Age and originated in Mongolia. | ıd |
| | A. Asiatic Wild Horse Przewalski's Horse) | (also accept Mongolian Wild Horse and | |
| | S. DET p. 16 | 200/4 | |
| 4. C4 | Q. Would the corium be considered to be part of the dermis or epidermis? | | |
| | A. Dermis | | |
| | S. Kainer plate 25 | 415/3 | |
| 5. C1 | Q. The breeding of a sire with a daughter would be an example of what specific type of breeding? | | |
| | A. Inbreeding (also accept close breeding) (do not accept linebreeding) | | |
| | S. HIH 1080-1 | 500/3 | |
| 6. C2 | Q. What two breeds were combined in the development of the Azteca? | | |
| | A. Andalusian and Quarter Horse | | |
| | S. DET p. 19 | 200/3 | |

| 7. C3 | Q. In general, what does the prefix "arthro" describe? | | |
|--------|---|---|--|
| | A. Joints | | |
| | S. DET p. 15 | 410/3 | |
| 8. C4 | Q. Would a feed with a 2 digestible energy? | 2% or 5% crude fiber have a higher | |
| | A. Feed with 2% crude fiber | | |
| | S. HIH 745-3 | 710/4 | |
| 9. C1 | Q. What does the abbreviation PSSM indicate? | | |
| | A. Polysaccharide Storage Myopathy | | |
| | S. HIH 460-4 | 800/4 | |
| 10. C2 | Q. You recently purchased a new stallion for your breeding program. The previous owner stated that the stallion had a respiratory illness accompanied by a high fever 30 days ago. What impact would this have on the stallion's fertility? | | |
| | A. Would expect a lower | sperm count for 65 days after the illness | |
| | S. HIH 920-4 | 520/3 | |
| 11. C3 | Q. A "red bag delivery" is most commonly observed in mares that have been grazed on what type of pasture? | | |
| | A. Fescue | | |
| | S. HIH 940-4 | 780/3 | |
| | | | |

- 12. C4 Q. You are the veterinarian on call and are examining a horse that sustained a laceration to the front lower leg sometime in the past 12 hours. There is no active bleeding from the wound. What would be the main reason to **not** suture this wound?
 - A. Suturing may increase the risk of infection due to elapsed time since injury (without the wound being properly cleaned)
 - S. HIH 440-3

800/3

End One-On-One Begin Open Questions

- 13. Q. What is the purpose of a prophylactic medication?
 - A. To prevent an illness or disease
 - S. DET p. 221

805/3

- 14. Q. What is the definitive host for Equine Protozoal Myeloencephalitis?
 - A. Opossum
 - S. HIH 670-1

800/3

Toss Up – Bonus Attached

- 15. Q. Which **three** types of western saddles would have a horn that is tall?
 - A. Barrel Racing, Roping and Cutting
 - S. HIH 1100-5

1000/3

Bonus Question

- 16. Q. The permanent upper and lower teeth are located in what **three** bones?
 - A. Maxilla, mandible and incisive bone
 - S. Kainer plate 41

Resume Open Questions

- 17. Q. Based on research studies for initial re-feeding of the starved horse, the best approach is feeding what?
 - A. High quality alfalfa hay (frequent small amounts)
 - S. HIH 785-3

700/4

- 18. Q. What is the slang term for the main office of a rodeo where excuses and grievances are aired?
 - A. Crying room
 - S. DET p. 74

1060/3

- 19. Q. What is the main purpose of the close contact saddle?
 - A. Jumping
 - S. HIH 1100-1

1000/2

Toss Up – Bonus Attached

- 20. Q. Which **two** glands empty into the small intestine at the major duodenal papilla?
 - A. Liver (bile duct) and pancreas (pancreatic duct)
 - S. Kainer plate51

490/4

Bonus Question

- 21. Q. Identify **five** advantages of maintaining horses on a well-managed pasture.
 - A. Reduces required supplemental feed (hay and/or grain)

Recycles nutrients from manure Socialization

Exercise Decreases erosion

Reduces frequency of respiratory disease

Maintains gastrointestinal health

Aesthetically pleasing Enhances water quality

Increases grazing capacity

S. HIH 740-1 970/3

Resume Open Questions

| 22. Q. The | orbatid mite is the | e intermediate | host for which | internal parasite? |
|------------|---------------------|----------------|----------------|--------------------|
|------------|---------------------|----------------|----------------|--------------------|

- A. Tapeworm
- S. HIH 430-4

835/3

23. Q. What is the name for the radiopaque dye material given to a horse by mouth to outline the digestive tract on radiographs?

- A. Barium
- S. DET p. 23

805/3

24. Q. Horses with recurrence of urinary calculi may benefit from feeding a diet that has less of what specific mineral?

- A. Calcium
- S. Lewis p. 297

750/3

- 25. Q. What type of striding leg interference occurs when the toe of the forefoot strikes the hind leg at the pastern or fetlock?
 - A. Speedy cutting
 - S. Evans p. 179

640/3

Toss Up – Bonus Attached

26. Q. Which **two** criteria used to evaluate semen are **not** affected by the length of daylight or season of the year?

- A. Morphology and motility
- S. Evans p. 368

520/3

Bonus Question

- 27. Q. The genetic conditions atresia coli and lethal white foal syndrome are both fatal conditions due to an inability to eliminate waste products from the intestines. In regards to anatomy, how do each of these conditions differ as to why the intestine does not function normally?
 - A. Atresia coli the lumen of the colon is not continuous and is described as severed Lethal white foal syndrome intestine does not empty correctly due to absence of nerves responsible for peristalsis in the intestines
 - S. DET p. 17; HIH 1060-6

830/4

Resume Open Questions

- 28. Q. What is the slang term for a foal that is born with septicemia and is semi-comatose?
 - A. Sleeper or sleeper foal
 - S. Evans p. 429

840/3

- 29. Q. In what anatomical structure of the stallion are sperm stored and matured?
 - A. Epididymis
 - S. DET p. 97

480/3

- 30. Q. What is a jerk line?
 - A. Single rein fastened to the brake handle of a carriage and run through the driver's hand to the bit of the lead horse
 - S. DET p. 157

1050/4

- 31. Q. What would be the estimated age of a horse when the Galvayne's groove extends to the wearing surface of the corner upper incisor?
 - A. 20 years
 - S. HIH 240-4

Last Question of the Round

- 32. Q. Which external parasite usually feeds on the inside ear folds and may cause a horse to be head shy?
 - A. Black flies ("Buffalo gnats")
 - S. HIH 415-2

Round 6 One-On-One

| 1. C1 | Q. What is the common name for the medication flunixin meglumine? | | |
|-------|---|--|--|
| | A. Banamine | | |
| | S. HIH 640-2 | 05/4 | |
| 2. C2 | | hy is the myocarcium thicker around nd the other chambers of the heart? | |
| | | ventricle is thicker and stronger because it must to pump blood throughout the body | |
| | S. Evans p. 111 | 440/3 | |
| 3. C3 | Q. You are the manager at a Thoroughbred farm and will be breeding a 15.2 hand stallion to a 16.3 hand mare. What is your solution for dealing with the physical size difference? | | |
| | A. Mare's hind legs can be pla or stand the stud on a hill or ra (do not accept option of AI or not permitted with Thoroughbi | ised area (only need to give one answer) embryo transfer as these are | |
| | S. Evans p. 415 50 | 00/3 | |
| 4. C4 | Q. What term refers to supporting leg interference that results in an open wound? | | |
| | A. Striking | | |
| | S. Evans p. 179 | 640/3 | |
| 5. C1 | Q. What is the primary symptom of a horse that ingests wild onions? | | |
| | A. Anemia | | |
| | S. Lewis p. 331 | 770/3 | |

| 6. C2 | Q. What type of grass provides each year in the southern Unite | the highest yield of hay-crop forage d States? | |
|--------|---|--|--|
| | A. Bermuda grass | | |
| | S. Lewis p. 109 | 780/4 | |
| 7. C3 | Q. How quickly a horse's heart their resting heart rate is an ind | | |
| | A. Fitness of the horse (accept | any answer that indicates this) | |
| | S. Lewis p. 206 | 980/3 | |
| 8. C4 | Q. What is the common term for | or prognathia? | |
| | A. Monkey mouth (sow mouth |) | |
| | S. Lewis p. 396 | 600/4 | |
| 9. C1 | Q. What type of forage would laborse with renal failure? | be most appropriate for a | |
| | A. Grass forage (lower in prote | in, phosphorus and calcium) | |
| | S. Lewis p. 296 | 700/3 | |
| 10. C2 | Q. What physical characteristic micropthalmia? | e is described by the term | |
| | A. Small eye | | |
| | S. Lewis p. 398 | 425/4 | |
| 11. C3 | Q. Evaluating a feed for aflatoxin-producing mold can be accomplished using ultraviolet light from what type of lamp? | | |
| | A. Woods lamp | | |
| | S. Lewis p. 408 | 790/4 | |

| 12. C4 | Q. What general term refers to a horse that eats unnatural substances |
|--------|---|
| such | as wood, hair or dirt? |
| | |

A. Pica

S. Lewis p. 400

910/3

End One-On-One Begin Open Questions

- 13. Q. What glandular organ is located near the stomach and serves as a reservoir for red blood cells?
 - A. Spleen
 - S. Lewis p. 404

400/3

- 14. Q. What is the recommended width of a gate that would be wide enough for hay equipment?
 - A. 16 feet
 - S. Evans p. 771

920/3

Toss Up – Bonus Attached

- 15. Q. Identify **two** problems that may occur when hay is baled with a moisture content greater than 20 percent.
 - A. Mold and heat (also spontaneous combustion)
 - S. Lewis p. 65

780/3

Bonus Question

- 16. Q. Jugging is the practice of administering a large quantity of a concentrated solution into the jugular vein. Identify **three general types** of nutrients or substances that would be included in this solution.
 - A. Amino acids, electrolytes, vitamins, glucose
 - S. DET p. 158

805/4

Resume Open Questions

- 17. Q. You are spending the day with a farrier. The farrier has 4 shoes that look identical set aside for the horse he is shoeing. He would like you to hand him a front shoe. How will you know which is a front shoe?
 - A. The front shoe would be more round (also accept wider at the heel)
 - S. Evans p. 150

900/3

- 18. Q. In general, what does the suffix "emia" describe?
 - A. In the blood
 - S. Lewis p. 407

400/3

- 19. Q. What are doing if you are "drenching" a horse?
 - A. Pouring a liquid medication down the throat from a bottle
 - S. DET p. 85

805/3

Toss Up – Bonus Attached

- 20. Q. Identify **two** of the organs that the celiac artery and its arterial branches supply with oxygenated blood.
 - A. Spleen, stomach and liver
 - S. Kainer plate 60

Bonus Question

- 21. Q. In regards to the **stallion**, identify **four** advantages for artificial insemination versus live cover breeding.
 - A. Prevent spread of venereal disease

 Able to breed injured/crippled stallions that are unable to mount a mare
 Eliminates injury to stallion from nervous, aggressive or shy mares
 Able to breed more mares per season
 Able to impregnate a mare located far away by shipping semen
 - S. Evans p. 376

500/4

Resume Open Questions

- 22. Q. You do the math... You are judging a reining class and have indicated a total maneuver score of **minus 1** and a total penalty score of **minus 3** ½. What would be the **final score** for this competitor?
 - A. Score of 65 ½ points
 - S. HIH 183D-1

1010/3

- 23. Q. You are the on call veterinarian evaluating a horse with the following symptoms...Rapid and labored breathing, incoordination, dilated pupils, muscle tremors and dark cherry red mucous membranes. These symptoms would indicate what type of plant poisoning?
 - A. Cyanide poisoning
 - S. Lewis p. 336

770/4

- 24. Q. The most common cause of spontaneous abortion is placental or uterine infections. Prior to the current widespread use of ultrasound, what accounted for about 25% of abortions and was considered to be the second most common cause?
 - A. Twinning
 - S. Lewis p. 240

- 25. Q. What breed is being described... Noted for its speed and jumping ability although it can be stubborn. Able to withstand the severe weather in its country of origin which is Russia.
 - A. Akhal-Teke
 - S. DET p. 6

200/4

Toss Up – Bonus Attached

- 26. Q. In regards to biosecurity identify three ways to diminish the possibility of transferring infective agents with your boots.
 - A. Disinfect boots using a spray disinfectant

Disposable boots or boot covers

Disinfect boots with a boot dip

Change boots (between farms, between clean and dirty areas, etc)

S. Griffiths p. 194

920/4

Bonus Question

- 27. Q. What color would be the result of the silver dapple gene on the following **three** colors…black, bay and chestnut?
 - A. Black Blue silver or silver dapple

Bay – Red silver

Chestnut – Chestnut (silver gene only affects black areas)

S. HIH 1040-2

300/4

Resume Open Questions

- 28. Q. What is the scientific name for the stable fly?
 - A. Stomxys calcitrans
 - S. HIH 415-1

- 29. Q. When driving a horse and turning left...Which rein is the "bearing rein"?
 - A. Right rein (rein opposite the direction)
 - S. DET p. 25

1000/3

- 30. Q. In foxhunting, who hunts the hounds and is in charge of the kennels?
 - A. Huntsman
 - S. DET p. 145

1080/3

- 31. Q. In general, what does the suffix "oma" describe?
 - A. Tumor (also accept cancer or neoplasm)
 - S. DET p. 178, 190,240

400/4

Last Question of the Round

- 32. Q. The mating of imported draft stallions with native mares in Southern Pennsylvania produced what breed that eventually disappeared and never had a breed registry.
 - A. Conestoga horse
 - S. Evans p. 9

Round 7 One-On-One

| 1. C1 | Q. What is the correct term | for the medication referred to by the slang term "Ace"? | |
|------------------|---|--|--|
| | A. Acetyl promazine (acepr | romazine) | |
| | S. DET p. 3 | 805/4 | |
| 2. C2 America | Q. The Tennessee Walking n Walking Pony? | Horse was crossed with what other breed to develop the | |
| | A. Welsh Pony | | |
| | S. Evans p. 66 | 200/4 | |
| 3. C3 | Q. The Chadwick spring provides constant outward pressure on the bars of the foot and would be used for what conformation defect of the hoof? | | |
| | A. Contracted heels | | |
| 4. C4 | | muscling is preferred in all breeds ith definition, or 2.) long, clean, well-defined muscle? | |
| | A. Long, clean and well-de | fined | |
| | S. HIH 220-8 | 600/3 | |
| 5. C1 | Q. What anatomic structure is responsible for increasing absorption in the small intestine and is described as tiny, finger-like projections? | | |
| | A. Villi | | |
| | S. DET p. 283 | 430/4 | |
| 6. C2 | Q. In what specific area of in a normal horse pregnancy | the uterus does the conceptus attach and the fetus develop y? | |
| | A. Uterine horn | | |
| | S. Evans p. 340, 347 | 510/3 | |

| 7. C3 | Q. The alkaloid slaframine would result in what symptom in horses grazing red clover affected with black patch? | | |
|--------|---|---------------------------------------|--|
| | A. Excessive salivation (slobbers) | | |
| | S. Lewis p. 108 | 780/4 | |
| 8. C4 | Q. Who is the foundation si | re for the American Saddlebred Horse? | |
| | A. Denmark | | |
| | S. Evans p. 38 | 200/3 | |
| 9. C1 | Q. What is the primary bene | efit of extruded feed? | |
| | A. Improved digestibility | | |
| | S. HIH 745-1 | 790/3 | |
| 10. C2 | Q. Ovulation will usually occur within how many days after the discontinuation of treatment with Regumate? | | |
| | A. Approximately 12 days | | |
| | S. HIH 930-4 | 805/4 | |
| 11. C3 | Q. Would the parasympathetic or sympathetic nervous system be stimulated with the "fight or flight" instinct? | | |
| | A. Sympathetic | | |
| | S. Kainer plate 80 | 420/4 | |
| 12. C4 | Q. What is the correct term for a full turn on the haunches in dressage? | | |
| | A. Volte | | |
| | S. DET p. 284 | 1090/4 | |

End One-On-One

Begin Open Questions

- 13. Q. What are the **two** functions of the turbinate bones?
 - A. Warm, hydrate and filter inspired air (only need to give two answers)
 - S. DET p. 276

410/4

- 14. Q. Which pony breed is referred to as the "living fossil"?
 - A. Exmoor
 - S. HIH 157B-1

200/4

Toss Up – Bonus Attached

- 15. Q. (Two Part) The diaphragm is the muscle that separates the thoracic and abdominal cavities. What serous membrane covers the abdominal surface of the diaphragm and what serous membrane covers the thoracic surface?
 - A. Abdominal peritoneum Thoracic pleura
 - S. Kainer plate 56

400/4

Bonus Question

- 16. Q. What are the **four** methods used to breed mares?
 - A. Pasture breeding, hand breeding, artificial insemination and embryo transfer
 - S. Lewis p. 237

500/4

Resume Open Questions

- 17. Q. Which **two** types of white spotting are described as rising up from the underline of the horse?
 - A. Splashed white and sabino
 - S. Evans pp. 492-493

- 18.Q. What type of knot is used on the end of a rope to keep it from unraveling?
 - A. Crown knot
 - S. DET p. 74

1000/3

- 19. Q. You do the math... You are feeding a weanling that weighs approximately **400 pounds**. If you are feeding **twice a day** and need to feed a **total of 1%** of the body...How many pounds would you feed for the **morning** feeding?
 - A. 2 pounds
 - S. HIH 765-2

700/4

Toss Up – Bonus Attached

- 20. Q. Identify the three gaits of the Paso Fino beginning with the speed that is the fastest and ending with the speed which is slower and more collected.
 - A. Paso largo, paso corto and paso fino
 - S. Evans p. 178

640/4

Bonus Question

- 21. Q. Identify **three** breeds that originated in the United States and were developed from crossing other breeds with Canadian pacers.
 - A. Standardbred, American Saddlebred and Tennessee Walking Horse
 - S. Evans p. 28, 38, 40

200/4

Resume Open Questions

- 22. Q. What is the anatomical name for a natural passageway or opening in the body that blood vessels and nerves pass through?
 - A. Foramen (also accept foramina)
 - S. DET p. 111; Kainer plate 41

- 23. Q. Sprinting and galloping can produce an oxygen deficit within skeletal muscle and result in what type of metabolism? A. Anaerobic S. HIH 895-1 980/3 24. Q. What is the correct medical terminology for giving birth? A. Parturition S. DET p. 205 500/3 O. For what specific equine competition would you have herd holders? 25. A. Cutting S. DET p. 139 1070/4 Toss Up – Bonus Attached Q. Which **two** breeds were crossed to develop the Americana? 26. A. Shetland and Hackney Pony 200/4 S. Evans p. 66 **Bonus Question** Q. Identify **two** reasons why additional protein is not a desirable source of energy in the 27. athletic horse.
- - A. Produces excess body heat Increased water loss (due to increased sweating) Increased electrolyte deficit More expensive
 - S. Lewis p. 196 760/4

Resume Open Questions

| 28. | Q. English stagecoaches often were accompanied by a cockhorse that was ridden behind the coach. What was the purpose of the cockhorse? | | |
|---------------|--|-------------------------|---|
| | A. | Hitched in front of the | e team when going up steep hills or heavy going |
| | S. | DET p. 60 | 1050/4 |
| 29. cavity | _ | The heart, trachea and | esophagus are contained in what specific area of the chest |
| | A. | Mediastinum | |
| | S. | DET p. 178 | 400/4 |
| 30. | Q. | Cremello is a double of | dilution of what color? |
| | A. | Chestnut | |
| | S. | HIH 1040-2 | 650/3 |
| 31. | Q. | Which farrier tool is u | ised to cut hot metal? |
| | A. | Hardy | |
| | S. | Evans p. 727 | 900/3 |
| Last (| Quo | estion of the Round | |
| 32. | Q. | What breed's characte | eristics include a rat tail? |
| | A. | Appaloosa | |
| | S. | Evans p. 32 | 200/3 |
| | | | |
| | | | |

Round 8 One-On-One

Q. What is the anatomical term for the hind cannon bone? 1. C1 A. Large meta**tarsal** or third meta**tarsal** (do not accept third or large metacarpal) S. Kainer plate 12 410/3 2. C2 Q. What does the term open bridle describe? A. A bridle without blinders or blinkers S. DET p.196 1000/3 Q. At how many days after ovulation would the embryo be 3. C3 collected from a donor mare for nonsurgical embryo transfer? A. 6-8 days (accept anything within this range) S. Evans p. 411 500/4 Q. What is the difference in the traditional grooming presentation 4. C4 of a Hackney Pony shown in a "harness" versus a "Hackney" class? A. Ponies are shown with a cob-tail in Hackney classes and a long tail in a harness class S. Evans p. 63 200/3 5. C1 Q. What is the common term for Enterotoxemia? A. Overeating disease S. Evans p. 305 840/4

| 6. C2 | Q. For fire safety, a barn used for hay storage should be located at least how far from other buildings? | |
|----------------|---|--|
| | A. At least 100 feet | |
| | S. Evans p. 781 920/3 | |
| 7. C3 ruminant | Q. What type of parasite is only a problem for horses that are being grazed with ts? | |
| | A. Hairworms (Trichostrongylus axei) | |
| | S. Lewis p. 158 835/4 | |
| 8. C4 | Q. What is the country of origin for the New Forest Pony? | |
| | A. England | |
| | S. DET p.190 200/3 | |
| 9. C1 | Q. Would front or hind plates have "jar calks"? | |
| | A. Front plates (are referred to as heel calks on hind plates) | |
| | S. Evans p. 734 900/4 | |
| 10. C2 | Q. What does the slang term "owl head" describe? | |
| | A. A horse that is difficult to train | |
| | S. DET p. 199 980/4 | |
| 11. C3 | Q. When using the Y-Tex Corporation system for freeze branding, the alpha character is used to identify what? | |
| | A. Breed of horse (or "E" if grade or unregistered horse) | |
| | S. Evans p. 810 920/4 | |

- 12. C4 Q. What is the **scientific** name for the type of bot fly that is associated with eggs that are black and deposited on the lips?
 - A. Gastrophilus hemorrhoidalis
 - S. Evans p. 634

835/3

End One-On-One Begin Open Questions

- 13. Q. Common signs of ocular disease include color changes such as redness or cloudiness, increased tearing and blepharospasm. What is blepharospasm?
 - A. Squinting or closing the eye (indicates pain)
 - S. HIH 465-2

425/4

- 14. Q. You would collect prize money if the horses you bet on placed first and second in the order you predicted if you placed what type of wager?
 - A. Exacta
 - S. DET p. 100

1040/3

Toss Up – Bonus Attached

- 15. Q. What is the difference between hyperplasia and hypertrophy?
 - A. Hyperplasia is an increase in the **number** of cells Hypertrophy is an increase in the **size** of the cells
 - S. DET pp. 146-147

400/4

Bonus Question

16. Q. Give **four** observations that would indicate that a foal with diarrhea would require medical attention.

A. Large amount of diarrhea Diarrhea contains blood

Decreased appetite Fever

Depression/lethargy Dehydration

Large volume of water in diarrhea

S. Lewis p. 259 830/4

Resume Open Questions

- 17. Q. What is the common term for alpha tocopherol?
 - A. Vitamin E
 - S. DET p. 7 740/4
- 18. Q. What do the initials NHSRA stand for?
 - A. National High School Rodeo Association
 - S. HIH 186D-2 230/3
- 19. Q. In general, what does the suffix "malacia" describe?
 - A. Softening
 - S. DET 56, 91, 197 400/4

Toss Up – Bonus Attached

- 20. Q. Identify **two** equine diseases that are caused by protozoa.
 - A. Equine Piroplasmosis (Babesiosis) Equine Protozoal Myeloencephalitis (EPM) Giardia Infection (Giardiasis)
 - S. Griffiths p. 174 800/4

Bonus Question

21. Q. (Four Part) In regards to balance, the angle or slope of the shoulder will directly influence the **ratio** of which **two** other areas.

How are **each** of these areas altered if the shoulder is **longer** and **more sloping**? How do they change if the shoulder is **shorter** and **straighter**?

A. Length of back: Length of underline

More slope = length of back is shorter

Straighter = length of back is longer

Top line of neck: Bottom line of neck

More slope = top line of neck is longer

Straighter = top line of neck is shorter

S. HIH 220-5/6

600/4

Resume Open Questions

- 22. Q. Which pony breed has adapted to harsh winter weather with the growth of a cluster of short hairs on the top of the tail that is referred to as an "ice-tail" or "snow-chute"?
 - A. Exmoor Pony
 - S. HIH 157B-2

200/4

- 23. Q. In the zoological classification, what is the order the horse would be included in?
 - A. Perissodactyla
 - S. Griffiths p. 15

100/3

- 24. Q. Which bacterial disease is called "shaker foal syndrome" when it affects foals?
 - A. Botulism
 - S. Evans p. 603

- 25. Q. What term refers to an overhanging of the top lip?
 - A. Elk lip
 - S. DET p. 600/3

Toss Up – Bonus Attached

- 26. Q. Identify **three** areas on the horse where a hackamore bit would exert pressure.
 - A. Nose, face, jaw, chin, poll, cheeks (do not accept mouth)
 - S. HIH 1100-8

1000/3

Bonus Question

- 27. Q. Identify the **three** foundation sires for the Rangerbred Horse.
 - A. Max, Leopard and Linden Tree
 - S. Evans p. 58

200/4

Resume Open Questions

- 28. Q. Combined Immunodeficiency Disease and Epitheliogenesis imperfecta would be classified as what type of genetic lethal?
 - A. Delayed lethal
 - S. HIH 1060-4

550/4

- 29. Q. You do the math... A foal normally weighs **9-10%** of the mare's body weight. A foal that weighs **50 pounds** would indicate that it's dam weighs how much?
 - A. 450-500 pounds (accept anything within that range)
 - S. HIH 940-5

- 30.Q. Praziquantel and pyrantel pamoate are both effective for the control of tapeworms. How does the dosage of pyrantel paomate need to be altered when treating tapeworms?
 - A. Give twice the standard dose
 - S. HIH 430-4
- 835/3
- 31. Q. What term refers to the discipline described as "gymnastics on horseback"?
 - A. Vaulting
 - S. HIH 185D-1
- 1010/3

Last Question of the Round

- 32. Q. What are the **two** types of balance to consider when trimming the hoof?
 - A. Heel to toe (front to back) and medial/lateral (side to side)
 - S. HIH 510-1
- 900/3

Round 9 One-On-One

| 1. C1 | Q. What is the correct term for the medication referred to by the abbreviation DMSO? | | |
|-------|--|--|--|
| | A. Dimethyl sulfoxide | | |
| | S. DET p. 2 | 805/4 | |
| 2. C2 | Q. What is the common to | erm for Lethal White Foal Syndrome? | |
| | A. "Megacolon" | | |
| | S. Griffiths p. 98 | 550/3 | |
| 3. C3 | Q. What color describes a dorsal stripe? | dun with black points and a black | |
| | A. Coyote dun | | |
| | S. DET p. 71 | 300/4 | |
| | | scribedSometimes used as a pack animal; dun color with tripe and zebra markings; resembles the wild horses of the y. | |
| | A. Fjord | | |
| | S. DET p. 108 | 200/3 | |
| 5. C1 | Q. Equine supplements th what affect? | at contain valerian root provide | |
| | A. Calming effect, sedative need to give one answer) | re effect, anti-spasmodic effect (only | |
| | S. HIH 742-3 | 700/4 | |
| | | | |

| 6. C2 | Q. What mineral imbalance results in the condition commonly referred to as "bob-tail disease"? | | |
|--------|--|---|--|
| | A. Excess selenium (mus | st designate excess for answer to be correct) | |
| | S. Lewis p. 329 | 770/4 | |
| 7. C3 | Q. For an obese horse, weight loss should occur gradually over several months. What amount of weight loss in pounds or what change in the body condition score is recommended in one month ? | | |
| | A. Approximately 50 poo | ands or one body condition score | |
| | S. HIH 790-3 | 700/3 | |
| 8. C4 | Q. What type of parasite may result in coughing, fever and nasal discharge which is commonly referred to as a "summer cold" in foals? | | |
| | A. Roundworms (parasca | aris equorum) | |
| | S. Lewis p. 157 | 835/4 | |
| 9. C1 | Q. In general, what does the term viscera describe? | | |
| | A. Internal organs | | |
| | S. DET p. 283 | 400/4 | |
| 10. C2 | Q. Which breed was developed by crossing the Thoroughbred and Irish Draft breeds? | | |
| | A. Irish Hunter | | |
| | S. DET p. 155 | 200/4 | |
| 11. C3 | Q. Horses that are stalled vitamin? | 24 hours a day are more likely to be deficient in which | |
| | A. Vitamin D | | |
| | S. HIH 730-1 | 740/3 | |

- 12. C4 Q. Halitosis with an odor of garlic would be an indication of what specific mineral toxicity?
 - A. Selenium
 - S. Griffiths p. 142

770/4

End One-On-One Begin Open Questions

- 13. Q. What omega 3 fatty acid source when added to the diet has recently been identified as providing a significant improvement in sweet itch or other allergic skin conditions?
 - A. Flaxseed
 - S. HIH 742-4

700/4

- 14. Q. What ligament connects the splint bone to the cannon bone?
 - A. Interosseous ligament
 - S. DET p. 154

410/4

Toss Up – Bonus Attached

- 15. Q. Identify **two systemic** fungal diseases that affect horses.
 - A. Aspergillosis Coccidiomycosis

Blastomycosis Hisoplasmosis

S. Griffiths p. 173

800/4

Bonus Question

- 16. Q. Identify **three** of the five classifications of donkeys according to size.
 - A. Miniature

Small Standard

Standard

Large Standard

Mammoth

S. HIH 156B-1

Resume Open Questions

- 17. Q. What is considered to be the primary reservoir host for rabies in horses?
 - A. Skunk
 - S. HIH 680-1

820/3

- 18. Q. A mare that shows lack of interest to a stallion but is not aggressive toward the stallion would be given what estrus behavioral score?
 - A. Score of 2
 - S. HIH 9330-2

520/4

- 19. Q. Hay feeders should be placed at a height **no higher** than what part of the horse's anatomy?
 - A. Shoulder
 - S. HIH 740-12

920/3

Toss Up – Bonus Attached

- 20. Q. Weakening of the broad ligaments can cause a downward tilting of the uterus and can predispose a mare to uterine infections and infertility. Other than injury or illness, identify **two** things that would contribute to the weakening of these ligaments
 - A. Age of the mare, number of pregnancies the mare has had
 - S. HIH 910-3

510/4

Bonus Question

- 21. Q. What is the correct name for the following **four** vitamins... Vitamin B1, B2, B6 and B12?
 - A. Vitamin B1 ThiaminVitamin B2 RiboflavinVitamin B6 Pyridoxine
 - Vitamin B12 Cobalamin
 - S. Griffiths pp. 126-127

Resume Open Questions

22. Q. What does the slang term dog soldier describe?

A. A stallion that has been cast out from a wild herd

S. DET p. 83

910/3

23. Q. Clipping along the belly, under the neck and above the thigh is known as what type of body clip?

A. Trace clip

S. DET p. 950/3

950/3

24. Q. You do the math... Water hemlock ingestions results in sudden death in horses. Death results after ingestion of as little as **0.1 ounce** for each **100 pounds** of body weight. A horse that weighs **1000 pounds** would be fatally poisoned after consuming how many ounces of water hemlock?

A. Poisoned after ingesting only 1 ounce

S. Lewis p. 343

770/3

25. Q. Identify which **two** grasses are the most palatable.

A. Kentucky bluegrass and timothy

S. Lewis p. 109

780/3

Toss Up – Bonus Attached

26. Q. Identify **two** types of colic in regards to the position of the small intestine.

A. Displacement, Telescoping (intussusception) or twisting (volvulus)

S. HIH 435a-1

830/4

Bonus Question

- 27. Q. Identify **four** physiological and/or anatomical factors that would indicate a horse's racing performance or athletic ability.
 - A. Conformation

Oxygen intake ability (respiratory capacity)

Gait

Heart size and heart rate capacity (cardiac capacity)

Proportion/type of muscle fibers

S. Lewis pp. 220-222

400/4

Resume Open Questions

- 28. Q. What part of a decker saddle is described as a heavy canvas or poly cover with a wooden bar at the bottom?
 - A. Half Breed
 - S. YLM BEG 118-1L

1000/3

- 29. Q. What substance is produced in the body in response to an allergen?
 - A. Histamine
 - S. DET p. 12

400/4

- 30. Q. How would a base-wide, toe-out conformation affect the break over and landing of the foot?
 - A. Would break over and land on the inside toe
 - S. Evans p. 748

900/3

- 31. Q. What function do the superior labial levator muscles provide?
 - A. Raise the upper lip
 - S. Kainer plate 43

410/4

Last Question of the Round

- Q. In regards to the racing industry, what does the expression "buy a lot" describe?
 - A. Falling off the horse
 - S. DET p. 43

Round 10 One-On-One

| 1. C 1 | Q. What mineral toxicity is associated with hemochromatosis? | | |
|---------------|---|--|--|
| | A. Iron | | |
| | S. Evans p. 233 | 750/4 | |
| 2. C2 | Q. How does the relative l | humidity affect length of grazing time? | |
| | A. Higher humidity result | s in longer grazing time | |
| | S. HIH 735-2 | 970/3 | |
| 3. C3 | Q. What is the main purposition going down a steep hill? | ose of the breeching on a pack saddle when | |
| | A. To keep the saddle from | n sliding forward | |
| | S. HIH 1125-2 | 1000/3 | |
| 4. C4 | Q. Identify the two land n Bering Land Bridge. | nasses that were once connected by the | |
| | A. Alaska and Siberia (als | so accept Alaska and Russia) | |
| | S. Griffiths p. 7 | 100/4 | |
| 5. C1 | Q. Which pony breed that originated in Norway and Sweden is also known as the Swedish Ardennes? | | |
| | A. Norwegian Fjord Pony | | |
| | S. DET p. 192 | 200/5 | |
| 6. C2 | Q. In general, what does t | he suffix "centesis" describe? | |
| | A. Aspiration of fluid | | |
| | S. DET p. 203, 208 | 400/4 | |

| 7. C3 | Q. Under which circumstance is the requirement for magnesium the highest? | | | |
|--------|---|---|--|--|
| | A. Lactating mares or exe | rcising horses (only need to give one answer) | | |
| | S. HIH 752-2 | 750/4 | | |
| 8. C4 | Q. What do the initials OL | LWS refer to? | | |
| | A. Overo Lethal White Sy | rndrome | | |
| | S. HIH 1095-1 | 500/3 | | |
| 9. C1 | _ | Q. What term refers to the process of determining various body measurements in order to monitor growth? | | |
| | A. Morphometrics | | | |
| | S. HIH 775-1 | 600/5 | | |
| 10. C2 | Q. What is the Spanish term for a cinch strap? | | | |
| | A. Latigo | | | |
| | S. DET p. 165 | 1000/3 | | |
| 11. C3 | Q. What is the trade name for the prevention of EIPH of furosemide? | for the medication that is sometimes used I and is also referred to by the generic name | | |
| | A. Lasix (also accept Saliz | x) | | |
| | S. DET p. 164 | 805/4 | | |
| 12. C4 | Q. Which enzyme in the mouth transforms starch into maltose? | | | |
| | A. Ptyalin | | | |
| | S. DET p. 222 | 430/4 | | |

Begin Open Questions

- 13. Q. Give **two** guidelines for changing the type of hay that is being fed.
 - A. Mix the old hay with the new hay and change over period of 2 weeks
 - S. HIH 735-2

700/3

- 14. Q. The Przewalski's horse and zebras are affected by which equine genetic disorder?
 - A. Equine degenerative myeloencephalopathy (EDM)
 - S. Griffiths p. 101

550/5

Toss Up – Bonus Attached

- 15. Q. What is the difference between a hybrid and a synthetic breed?
 - A. Hybrid is the result of crossing 2 different breeds Synthetic is the result of crossing 2 or more breeds and then mating the first generations of those crossbred animals
 - S. DET p. 145, Evans p. 66

500/4

Bonus Question

- 16.Q. (Two Part) Identify **three** diseases that are caused by a type of Clostridium bacteria and identify the **specific** type of Clostridium bacteria for each disease.
 - A. Tetanus Clostridium tetani Botulism – Clostridium botulinum Enterotoxemia – Clostridium perfingens
 - S. Evans p. 305, 601, 603

800/5

Resume Open Questions

- 17. Q. In the evolution of the horse, which ancestor was the first to resemble the appearance of a horse and was about the size of a miniature horse?
 - A. Mesohippus
 - S. Griffiths p. 9

- 18. Q. Pandiculation is an indication of the well-being of a foal and usually occurs within 4 hours after birth. What is pandiculation?
 - A. Stretching
 - S. Lewis p. 247

910/5

- 19. Q. You do the math... If Carrolton Hounds ran 35 hounds at the hunt, how many couple hounds were there?
 - A. 17 and 1/2 couple hounds
 - S. DET p. 70

1080/4

Toss Up – Bonus Attached

- 20. Q. Identify **two** of the three acceptable methods for euthanasia for horses.
 - A. Overdose of barbiturate anesthesia Gunshot Penetrating captive bolt
 - S. HIH 470-1

940/4

Bonus Question

- 21. Q. Scientific methods make it possible to break down the nutritional components in the equine diet. Identify what each of the following **three** abbreviations stands for and what **specific** basic nutrient is indicated. DCP, DCF and DEE
 - A. DCP = digestible crude protein protein

DCF = digestible crude fiber carbohydrates

DEE = digestible ether extract fat

S. Griffiths p. 149 710/5

Resume Open Questions

| 22. | Q. Intense exercise correlates with an increased incidence of EGUS. What is EGUS? | |
|---|---|--|
| | A. Equine Gastric Ulcer Sy | ndrome |
| | S. HIH 795-2 | 830/4 |
| 23. | Q. What is the common term | m for dermatitis granulosa? |
| | A. Summer sores | |
| | S. DET p. 79 | 835/4 |
| 24. | Q. Identify two advantages | of a synthetic saddle. |
| | A. Less expensive, lighter v | weight, easier to care for |
| | S. HIH 1100-3 | 1000/3 |
| 25. Q. Ovulation will usually occur in a mare with a large profollicle within 48 hours after intravenous administration commonly used gonadotropin hormone? | | r intravenous administration of what |
| | A. HCG (human chorionic | gonadotropin) |
| | S. HIH 930-4 | 500/4 |
| Toss | Up – Bonus Attached | |
| 26. | Q. Identify two types of blo | ood cells produced by the bone marrow. |
| | A. Red blood cells, white b | lood cells, platelets |
| | S. Kainer plate 63 | 440/3 |
| Bonu | s Question | |

- 27. Q. Heat exhaustion and the more critical condition of heat stroke are terms that describe hyperthermia. Use the following **five** criteria to differentiate between these two conditions...
 - 1. General behavior
 - 2. Sweating
 - 3. Willingness to drink
 - 4. Gut sounds
 - 5. Response of heart and respiratory rate to rest and cooling efforts

A. Heat exhaustion: Heat stroke: Tired but alert Depressed

Sweating
Willing to drink
Good gut sounds

Absence of sweating
Unwilling to drink
Poor gut sounds

Responds to cooling Does not respond to cooling

S. HIH 410-1 800/5

Resume Open Questions

28.Q. The Russian equestrian sport of kabakhi is ridden at a full gallop and includes what other type of sport?

- A. Archery
- S. DET p. 160 1010/4
- 29. Q. Horses with Equine Metabolic Syndrome can be differentiated from other obese horses by what characteristic regional adiposity?
 - A. Fat deposits located in the crest of the neck and tail head (only need to identify one of these two areas for a correct answer)
 - S. HIH 795-2 800/4
- 30. Q. You are the farrier shoeing a base-narrow toe-out conformation horse. Which shoe modification would be most appropriate for this horse... rolled toe, raised inside branch, or outside toe extension?
 - A. Outside toe extension
 - S. Evans p. 748 900/4

- 31.Q. Exercises that include circles, serpentines and half turns would be included in what **specific** type of suppling exercises?
 - A. Lateral
 - S. DET p. 165 980/3

Last Question of the Round

- 32. Q. What is the correct medical terminology for the long, wavy, non-shedding hair coat associated with Equine Cushing's Disease?
 - A. Hirsutism
 - S. HIH 795-3 800/4

Tie Breaker #1

| 1. | Q. For what maximum period of time after parturition would the foal be able to absorb the immunoglobulins in colostrum? |
|-------------|--|
| | A. up to 12-36 hours after birth (accept anything within this range) |
| | S. HIH 950-3; Evans p. 197 500/3 |
| 2. | Q. What breed is often confused with the Appaloosa because most are spotted? |
| | A. Rangerbred Horse |
| | S. Evans p. 58 200/3 |
| 3. | Q. In the hind legs, what is the anatomical term for the short pastern bones? |
| | A. Middle phalanx or Second phalanx |
| | S. Kainer plate 12 410/3 |
| 4. cause | Q. What term describes plant toxins that cross the placental barrier during pregnancy and defects in the foal? |
| | A. Teratogenic |
| | S. Lewis p. 332 770/3 |
| 5. | Q. What is the contributing factor to the condition known as anaphylaxis? |
| | A. Severe allergy |
| | S. DET p. 10 800/3 |
| | |

Tie Breaker #2 Q. What term describes the breakdown of feed into its smaller components? 1. A. Digestion S. Griffiths p. 107 700/3 Q. In general, what is the expected effect of an antipyretic medication? 2. A. Fever reduction (also accept increases heat loss; reduces heat production) S. DET p. 13 805/3 O. What is the toxin in white snakeroot? 3. A. Tremetol S. Lewis p. 320 770/4 Q. What type of activity would you use an Association saddle for? 4. A. Rodeo events S. DET p. 17 1000/4 5. Q. A horse that stands camped under in the hind legs usually has what other conformation defect when viewed from the side? A. Sickle hock

600/3

S. Lewis p. 384

Spare Toss Up

- 1. Q. What are the **two** general types of chronic exertional rhabdomyloysis?
 - A. Recurrent exertional rhabdomyloysis (RER) Polysaccharide storage myopathy (PSSM)
 - S. HIH 795-4

700/4

- 2. Q. Which **two** hormones are produced by the adrenal glands?
 - A. Epinephrine (adrenaline) and corticoids (also accept glucocorticoids, mineralcorticoids, norepinephrine, corticosterone, hydrocorticosterone, aldosterone, androgens)
 - S. Evans p. 127

490/4

- 3. Q. The **two** semilunar valves are located between what **specific** structures?
 - A. Right ventricle and pulmonary artery Left ventricle and aorta
 - S. Evans p. 112

440/4

- 4. Q. Which **two** external parasites are intermediate hosts for habronemiasis?
 - A. House fly and stable fly
 - S. Lewis p. 167

Spare One on One

100

- 1. Q. in the zoological classification of the horse, what phylum includes the horse?
 - A. Chordata
 - S. Griffiths p. 15

100/3

- 2. Q. Equus disappeared from North America during what time period?
 - A. Pleistocene epoch
 - S. Evans p. 4

100/3

200

- 3. Q. (Two Part) The foundation sire for the Morgan breed was Figure. Figure was known by what other name and how did he get that name?
 - A. Justin Morgan The custom at that time was to give the horse the same name as his owner
 - S. Evans p. 36

200/3

- 4. Q. What breed was formerly known as the "Karster" horse?
 - A. Lipizzan (Lipizzaner)
 - S. HIH 159B-2

200/4

300

- 5. Q. What is the base color of a red silver horse?
 - A. Bay
 - S. HIH 1040-2

| 6. | Q. What marking is kn | own by the slang te | rm "handprint"? | |
|---|---|-----------------------|---|---|
| | A. Blood mark | | | |
| | S. Griffiths p. 39 | 310/4 | | |
| 400 7. | Q. What is the anatom | ical term for the cof | fin joint? | |
| | A. Distal interphalange | eal joint | | |
| | S. Evans p. 689 | 410/4 | | |
| 8. | Q. Which hormone is a | needed for "milk let | down" and parturition? | |
| | A. Oxytocin | | | |
| | S. Evans p. 127 | 490/3 | | |
| Q. What type of inheritance affects males and females equally and results in an observed phenotype only when there are two copies of the recessive necessary for the trait? | | | | |
| | A. Autosomal recessiv | e | | |
| | S. HIH 1060-2 | 550/4 | | |
| 10. with | Q. Light areas of color influence of what color | <u>~</u> | ne muzzle, flanks and inside the legs are see | n |
| | A. Pangaré gene | | | |
| | S. Evans p. 481 | 550/3 | | |
| 600 11. | Q. What term describe | s too much angle in | the pastern joint? | |
| | A. Coon footed | | | |
| | S. DET p. 68 | 600/3 | | |

| 12. | Q. What slang term refers to legs in which the tendons lack definition and do not stand out clearly? | | |
|-------------------|--|---|--|
| | A. Gummy legged | | |
| | S. DET p. 126 | 620/4 | |
| 700 13. | Q. During rapid growth, foals need more of which two amino acids? | | |
| | A. Lysine and threonine | | |
| | S. HIH 765-1 | 700/4 | |
| 14. | Q. Decreased immune fu | unction is associated with what vitamin deficiency? | |
| | A. Vitamin E | | |
| | S. HIH 730-3 | 740/3 | |
| 800 15. | Q. Describe the typical s | stance of a horse with tetanus. | |
| | A. "Saw horse" stance | | |
| | S. Griffiths p. 172 | 820/3 | |
| 16. | Q. What is the scientific | name for the horn fly? | |
| | A. Haematobia irritans | | |
| | S. HIH 415-2 | 835/4 | |
| 900 17. | Q. Which type of hamm | er is used for making and shaping shoes? | |
| | A. Rounding hammer | | |
| | S. Evans p. 728 | 900/3 | |

- 18. Q. What characteristic makes a horse described as a "sunfisher" a desirable mount in bronc-riding events at a rodeo?
 - A. It is a bucking horse that twists its body in the air
 - S. DET p. 259

910/4

1000

- 19. Q. When neck reining and completing a turn to the left, the rein on which side of the neck would be the opposition rein?
 - A. Rein on the right side of the neck
 - S. DET p. 196

1000/3

- 20. Q. Identify **two** of the classical "airs above the ground" when all four feet are off the ground.
 - A. Ballatade, capriole and croupade
 - S. DET p. 22, 48, 73