

2012 District Horse Bowl Contest Senior Round One

ONE-ON-ONE QUESTIONS

- 1) Q: What is the primary function of the sole of the hoof?
C1 A: Protection
Source: AYHC 505-2
- 2) Q: What is the equine counterpart to the human knee?
C2 A: The stifle
Source: Evans2 164
- 3) Q: What forms the basis for movement, length of stride and ultimately performance?
C3 A: Balance
Source: HIH 220-5
- 4) Q: When taking a horse's pulse on his leg, you would lightly press the artery against which bone?
C4 A: Sesamoid
Source: AYHC 505-5
- 5) Q: Movement in the horse is referred to as what?
C1 A: Way of going
Source: Evans2 169
- 6) Q: Abnormalities that do not affect the intended use of serviceability are called what?
C2 A: Blemishes
Source: HIH 230-1

- 7) Q: What type of shoe is put on the back feet of reining horses?
C3 A: Sliding plates
Source: AYHC 515-3
- 8) Q: The speed of the horse is determined by what two (2) things?
C4 A: Stride frequency and stride length
Source: Evans2 169
- 9) Q: The horse's forelimbs bear about what percent of its weight?
C1 A: 65%
Source: HIH 230-1
- 10) Q: At what age group is hoof growth the greatest?
C2 A: Foals
Source: AYHC 525-1
- 11) Q: What registry is the thoroughbred horse registered in?
C3 A: The Jockey Club
Source: Evans2 17
- 12) Q: Do high rates of fermented microbial digestion occur in the foregut or hindgut?
C4 A: Hindgut
Source: HIH 303-1

TOSS-UP QUESTIONS

- 13) Q: What is thrush compared to in humans?
A: Athlete's foot
Source: AYHC 540-1
- 14) Q: From what breed does every breed of horse originate?
A: Arabian
Source: Evans2 17

15) Q: What is the minimum ceiling height in a covered arena for horse and rider safety?

A: 14 feet

Source: HIH 320-7

16) Q: What type of Equine Encephalomyelitis has the lowest mortality rate?

A: Western

Source: AYHC 625-3

17) Q: What name is given to the condition in which hitting the hind leg at the coronet with the toe of the forefoot?

A: Scalping

Source: Evans2 179

18) TOSS UP WITH BONUS ATTACHED

Q: What problem can be associated with Black Walnut shavings?

A: Founder

Source: HIH 330-1

19) BONUS

Q: Give two (2) good reasons for using glue-on-horse shoes?

A: Fragile hoof walls, weak footed, thin hoof walls, sore or tender feet (laminitis)

Source: AYHC 515-5

20) Q: At what gait is a horse most apt to crossfire?

A: Pace

Source: Evans2 179

21) Q: What is the primary cause of runoff on horse farms?

A: Overgrazing

Source: HIH 360-4

22) TOSSUP WITH BONUS ATTACHED

Q: Name the human disease that can affect horses alike that is primarily transmitted by infected ticks.

A: Lyme disease

Source: AYHC 655-1

23) BONUS

Q: In what three (3) ways can vices be classified?

A: Dangerous to the handler, dangerous to the horse, and nuisance habit

Source: Evans2 182

24) Q: At what age are deciduous central incisors present?

A: Birth

Source: HIH 405-1

25) Q: What is the most nutritious part of the hay?

A: Leaves

Source: AYHC 710-5

26) Q: What is the fluid that lubricated a joint?

A: Synovial fluid

Source: Evans2 182

27) TOSSUP WITH BONUS ATTACHED

Q: Under normal circumstances, how does the horse cool itself?

A: By sweating

Source: HIH 410-1

28) BONUS

Q: Name three (3) groups of horses that might require supplemental nutrients, in spite of good pasture, fresh water and trace mineral salt.

A: Lactating mares, foals, breeding stallions and hardworking/performance horses

Source: AYHC 730-1

29) Q: What is the first part of the digestive tract?

A: The mouth

Source: Evans2 190

30) Q: What two (2) things are necessary for bot eggs to hatch?

A: Friction and moisture

Source: HIH 430-3

31) Q: What is the primary function of skeletal muscles?

A: Movement

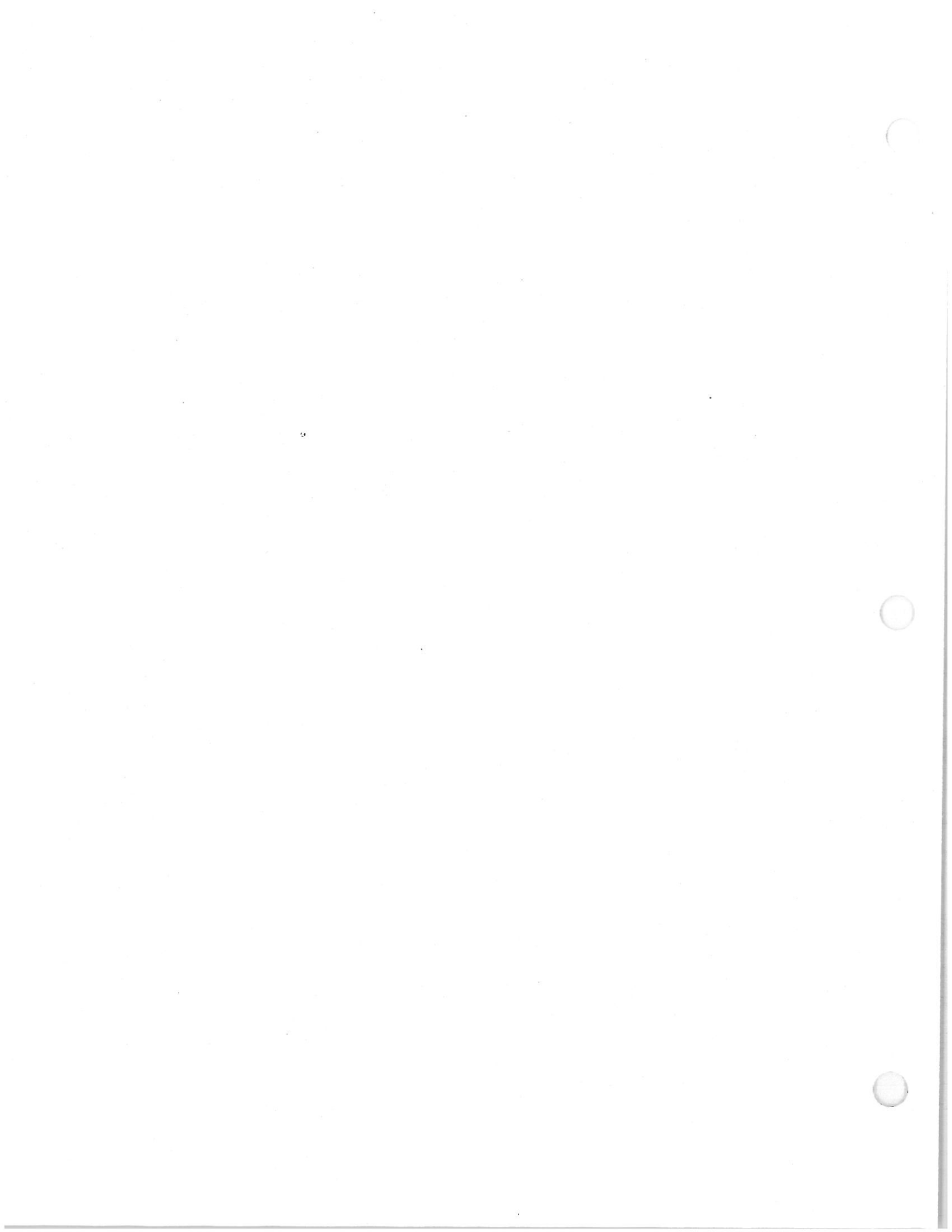
Source: AYHC 840-1

32) Q: Approximately how long is the horse's large intestine, in feet?

A: 25 ft

Source: Evans2 192

END OF ROUND ONE



2012 District Horse Bowl Contest Senior Round Two

ONE-ON-ONE QUESTIONS

- 1) Q: What are retained deciduous teeth called?
C1 A: Caps
Source: AYHC 405-2
- 2) Q: Where is the horse's gall bladder located?
C2 A: Horses do not have a gallbladder
Source: Evans2 192
- 3) Q: What type of bit has a mouthpiece that is jointed with a ring at each end to which the reins are attached?
C3 A: Snaffle
Source: HIH 1100-8
- 4) Q: What is a common name for hyperthermia?
C4 A: Heatstroke, sunstroke, heat exhaustion, or heat cramps
Source: AYHC 410-1
- 5) Q: What is the primary site of protein digestion?
C1 A: The small intestine
Source: Evans2 196
- 6) Q: The top of the vertebrae of the horse where the back meets the neck is called what?
C2 A: Withers
Source: HIH 110-5
- 7) Q: What causes heat cramps?
C3 A: Loss of electrolytes
Source: AYHC 410-1

- 8) Q: For how many hours can a foal absorb the antibodies in colostrums?
C4 A: Up to 36 hours after birth
Source: Evans2 197
- 9) Q: Why should adhesive elastic materials, such as vetwrap, never be directly applied to the skin or a wound?
C1 A: They can cut off the blood supply
Source: HIH 1160-1
- 10) Q: Name an external parasite that causes considerable pain by piercing the horse's skin with their bayonet-like mouth parts.
C2 A: Horse flies or deer flies
Source: AYHC 415-2
- 11) Q: What is the single most important consideration when selecting a horse?
C3 A: Purpose for which it will be used
Source: Evans2 204
- 12) Q: What are the two (2) types of reinforcement?
C4 A: Positive and negative
Source: HIH 1240-2

TOSS-UP QUESTIONS

- 13) Q: During which season are lice more of a problem for horses?
A: Winter
Source: AYHC 415-5
- 14) Q: Nearly 90% of all Thoroughbreds trace back to what stallion that was unbeaten in 26 starts?
A: Eclipse
Source: Evans2 21

15) Q: The oldest of American horse breeds, this light horse is compact and muscular, with a refined body and chiseled face. The foundation sire was named after his owner. What is the breed?

A: Morgan

Source: HIH 151-1,2

16) Q: A skin pliability test is used to check for what condition?

A: Dehydration

Source: AYHC 425-2

17) Q: What is the most common form of malnutrition in horses in the United States?

A: Obesity (overfeeding)

Source: Evans2 218

18) TOSS UP WITH BONUS ATTACHED

Q: In what year was the AQHA (American Quarter Horse Association) founded?

A: In 1940

Source: HIH 153-1

19) BONUS

Q: Name two (2) of the three (3) main salivary glands.

A: Parotid, submacillary (mandibular), and sublingual

Source: AYHC 425-3

20) Q: In what year did Secretariat win the Thoroughbred Triple Crown races?

A: 1973

Source: Evans2 22

21) Q: Name this breed. It is known for its extreme elegance and they can either be 3-gaited or 5-gaited.

A: The American Saddlebred

Source: HIH 156-1

22) TOSSUP WITH BONUS ATTACHED

Q: What is a more common name for aerophagia?

A: Windsucking

Source: AYHC 425-6

23) BONUS

Q: What do the initials TWHBEA stand for?

A: Tennessee Walking Horse Breeders and Exhibitors Association

Source: HIH 162-1

24) Q: The deficiency of what mineral will result in rickets in a young horse?

A: Phosphorus

Source: Evans2 229

25) Q: What parasite lays eggs on the horse's hair and hatches and matures in the horse's mouth and digestive tract?

A: Bots

Source: AYHC 430-3

26) Q: What is the function of the butt bar in a horse trailer?

A: Safety device for the horse to brace against in case the back door comes open

Source: HIH 201-1

27) TOSSUP WITH BONUS ATTACHED

Q: What gland is affected by a goiter?

A: Thyroid gland

Source: Evans2 233

28) BONUS

Q: Name three (3) types of internal parasites.

A: Roundworms (ascarids), bloodworms (strongyles), pinworms, and bots

Source: AYHC 430-1

29) Q: What is the physical appearance of an animal due to the arrangement of muscle, bone and other body tissue referred to as?

A: Conformation

Source: HIH 220-1

30) Q: What is an essential mineral in hemoglobin?

A: Iron

Source: Evans2 233

31) Q: Ideally, how long should a new horse be isolated before being added to a herd?

A: 30 days

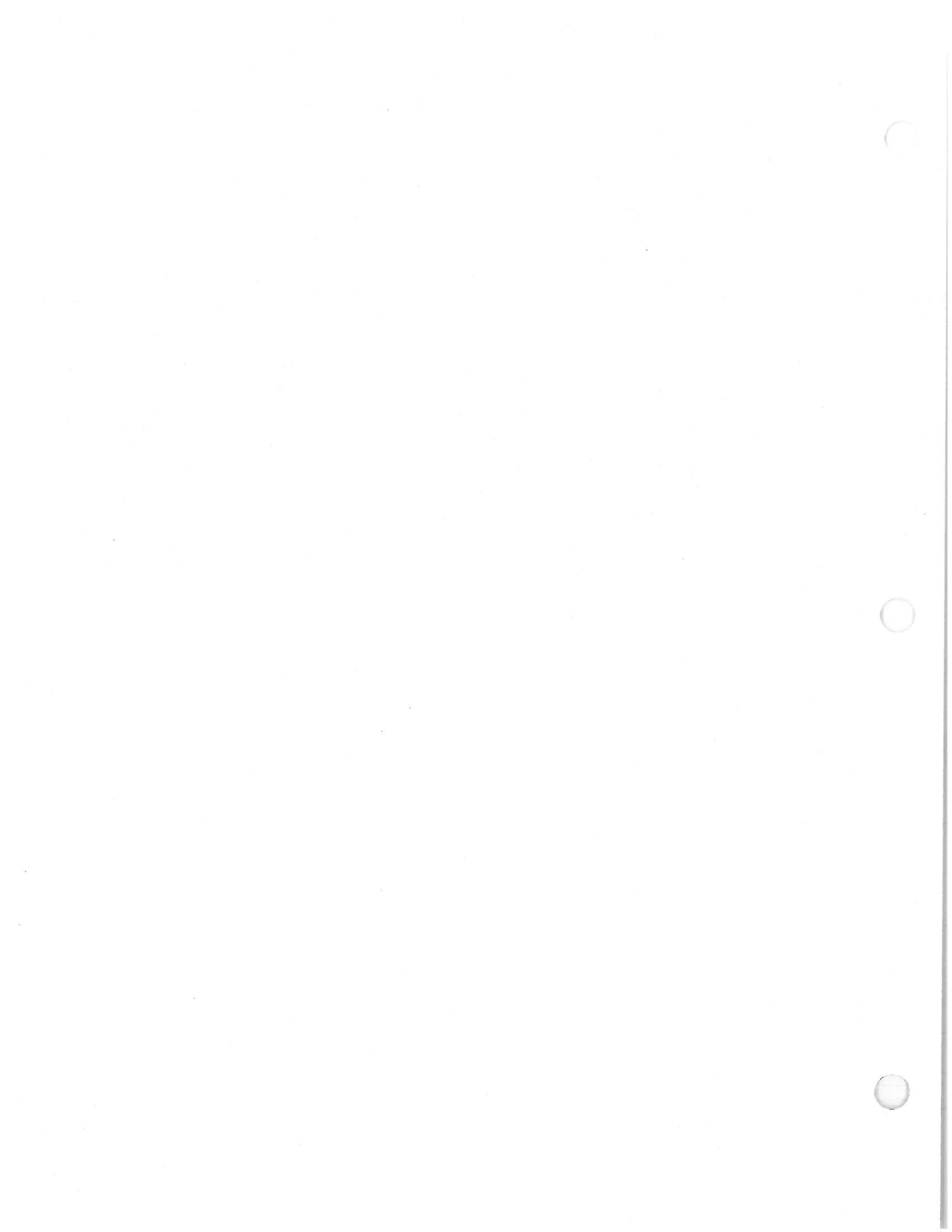
Source: AYHC 445-1

32) Q: Why is molasses added to horse rations?

A: To reduce dust and improve palatability

Source: Evans2 253

END OF ROUND TWO



2012 District Horse Bowl Contest Senior Round Three

ONE-ON-ONE QUESTIONS

- 1) **Q: What disease is caused by *Ehrlichia risticii*?**
C1 **A:** Potomac Horse Fever
 Source: IDET 219
- 2) **Q: How many lobes make up the horse's right lung?**
C2 **A:** Three (3)
 Source: Evans2 105
- 3) **Q: What is secreted into the small intestine to emulsify, or break down, fat and is produced in the liver?**
C3 **A:** Bile
 Source: EqSci 111
- 4) **Q: What is a balanced ration?**
C4 **A:** A ration that supplies proper amounts of all nutrients needed by the animal
 Source: IDET 22
- 5) **Q: The trachea splits into the left and right what?**
C1 **A:** Bronchi
 Source: Evans2 105
- 6) **Q: What part of the digestive tract is the physiological equivalent to the human appendix?**
C2 **A:** Cecum
 Source: EqSci 112
- 7) **Q: What hormone initiates lactation?**
C3 **A:** Prolactin
 Source: IDET 221

- 8) Q: What is an infection that is localized in the lungs called?
C4 A: Pneumonia
Source: Evans2 110
- 9) Q: What was the original use of the horse?
C1 A: Source of food
Source: EqSci 12
- 10) Q: What do the initials "TPR" stand for?
C2 A: Temperature, pulse and respiration (rates)
Source: EqSci 156
- 11) Q: Which of the following horses would have the best hearing: a stallion, mare, or gelding?
C3 A: Stallion
Source: Evans2 121
- 12) Q: What is the term for the loud, deep vocalization of the ass?
C4 A: Bray
Source: EqSci 21

TOSS-UP QUESTIONS

- 13) Q: What does the term "palatable" mean?
A: Pleasant to the taste
Source: EqSci 66
- 14) Q: Where is insulin produced?
A: Pancreas
Source: Evans2 127

15) Q: Name the breed of pony that accepts animals that are taller than 14.2 hands tall and refers to them as Cobs.

A: Welsh Pony, C type

Source: EqSci 28

16) Q: How many bones comprise the skull of the horse?

A: 37

Source: IDET 248

17) Q: Sweat glands are located everywhere on the horse's body with the exception of where?

A: On the legs

Source: Evans2 129

18) TOSS UP WITH BONUS ATTACHED

Q: What is another name for the face marking called "paper-faced"?

A: Bonnet

Source: EqSci 30

19) BONUS

Q: Name the five (5) regions of the spinal column.

A: Cervical, thoracic, lumbar, sacral, and coccygeal

Source: IDET 251

20) Q: According to the 1990 American Horse Council statistics, what is the most popular breed in the United States?

A: Quarter Horse

Source: Evans2 137

21) Q: What is the term for the intermixing of two (2) slightly different shades of the same base coat color creating a circular or ring-shaped pattern in the horse's coat?

A: Dappled

Source: EqSci 38

22) TOSSUP WITH BONUS ATTACHED

Q: Who is the first horse registered in the AQHA?

A: Whimpy (Whimpy P1)

Source: IDET 292

23) BONUS

Q: The cardiovascular system of the horse consists of what four (4) main components?

A: Heart, arteries, veins and capillaries (blood ok)

Source: Evans2 111

24) Q: What colors are the eyes and skin of the cremello?

A: Blue eyes and pink skin

Source: EqSci 43

25) Q: What is a zygote?

A: A fertilized egg

Source: IDET 298

26) Q: Where is the deltoid muscle located?

A: Shoulder

Source: Evans2 141

27) TOSSUP WITH BONUS ATTACHED

Q: What is the main function of bone marrow?

A: Production of red and some white blood cells

Source: IDET 34

28) BONUS

Q: Name three (3) types of primitive markings that are darker than the animal's base color.

A: Dorsal stripe, wither stripe or cross, zebra marks around knees, hocks or lower legs, cobwebbing or spider-webbing on the forehead

Source: EqSci 38

29) Q: A horse with a convex shaped nose is commonly referred to as what?

A: Roman nose

Source: Evans2 143

30) Q: Who was the first racehorse to earn two (2) million dollars?

A: Affirmed

Source: IDET 4

31) Q: What sensory defect is found in some splashed white horses?

A: Deafness

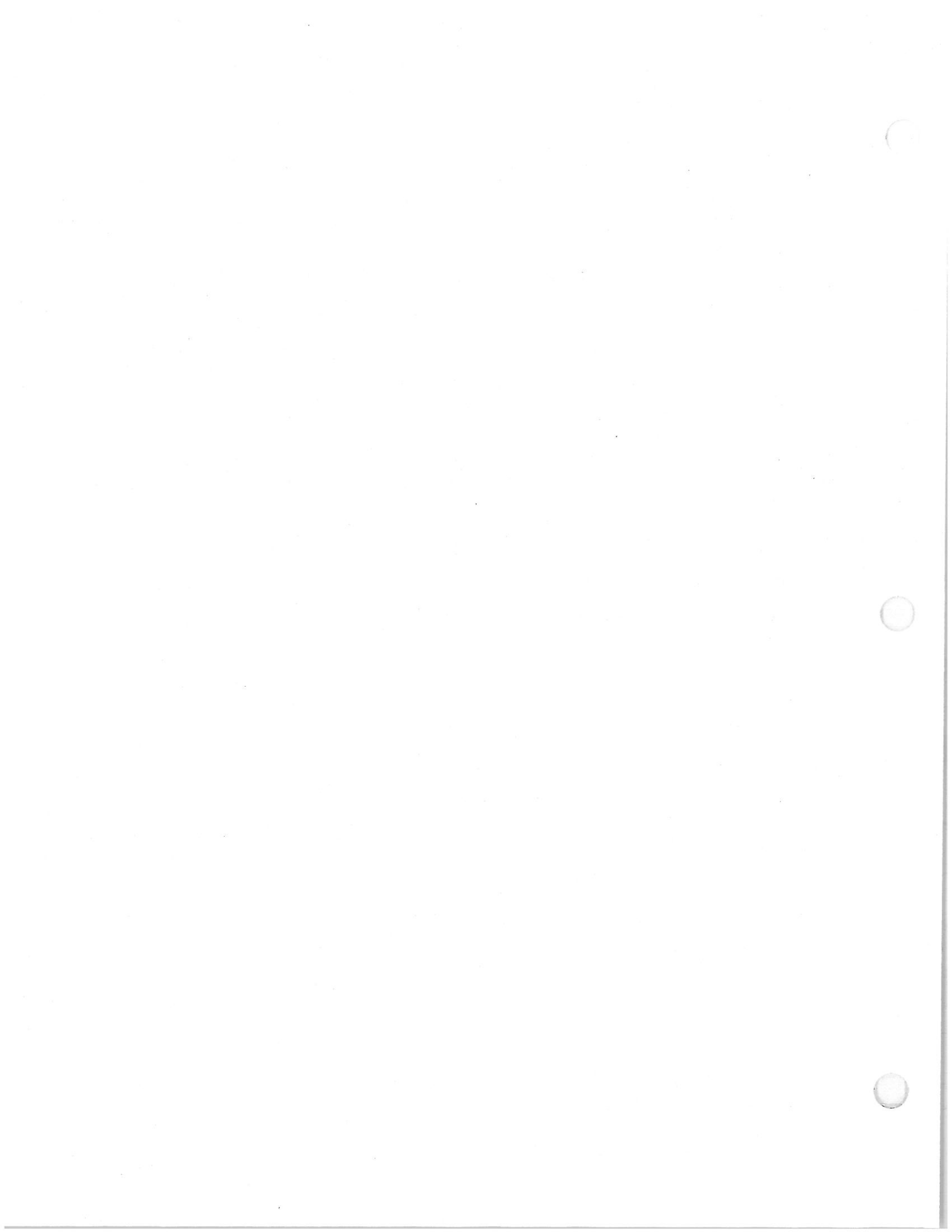
Source: EqSci 50

32) Q: What is the carbohydrate found in plants that is indigestible called?

A: cellulose

Source: IDET 52

END OF ROUND THREE



2012 District Horse Bowl Contest Senior Round Four

ONE-ON-ONE QUESTIONS

- 1) **Q: The length of a horse's stride is influenced greatly by the slope of its shoulder. A very steep shoulder results in what type of stride?**
C1 **A: Short stride**
 Source: AYHC 220-6
- 2) **Q: When referring to the Triple Crown races, where does the Preakness fall in chronological order?**
C2 **A: Second**
 Source: IDET 219
- 3) **Q: What genetic lethal condition is also known as megacolon?**
C3 **A: Lethal White Foal Syndrome**
 Source: EqSci 98
- 4) **Q: What is the retention of one (1) or both testicles in the body cavity called?**
C4 **A: Cryptorchidism**
 Source: AYHC 227-1
- 5) **Q: What is nettlerash?**
C1 **A: Hives**
 Source: IDET 190
- 6) **Q: What is the total range of vision in degrees?**
C2 **A: 350 degrees**
 Source: EqSci 55
- 7) **Q: What suspends the testes within the scotum?**
C3 **A: The spermatic cord**
 Source: AYHC 227-2L

- 8) Q: What breed will you get if you cross an Andalusian with a Quarter Horse?
C4 A: Azteca
Source: IDET 19
- 9) Q: What genetic condition causes visual impairment at night and is found in Appaloosas?
C1 A: Equine Night Blindness
Source: EqSci 100
- 10) Q: What is an obligate parasite?
C2 A: A parasite that cannot survive away from the host animal
Source: AYHC 300-1
- 11) Q: Nephritis is the inflammation of what organ?
C3 A: Kidneys
Source: IDET 189
- 12) Q: Which type of vision has the widest field of vision?
C4 A: Monocular
Source: EqSci 56

TOSS-UP QUESTIONS

- 13) Q: Why should a potential horse farm site have a slope of two (2) to six (6) percent?
A: For good drainage
Source: AYHC 320-2
- 14) Q: Does neck reining use direct or indirect reining?
A: Indirect
Source: IDET 189

15) Q: Research indicates that horses can see in color. Which color does the horse have the most difficulty in seeing?

A: Red

Source: EqSci 60

16) Q: What type of stall door is safest and easiest to use?

A: Sliding door

Source: AYHC 320-6

17) Q: What is the proper term for the bulge on the head of an Arabian horse?

A: Jibbah

Source: IDET 157

18) TOSS UP WITH BONUS ATTACHED

Q: What is another name for olfactory sense?

A: Sense of smell

Source: EqSci 61

19) BONUS

Q: Name three (3) vices that are caused by boredom in confined horses.

A: Wood chewing, pawing, weaving and cribbing

Source: AYHC 320-1

20) Q: Most foundation Quarter Horses trace back to what Thoroughbred, imported into Virginia in 1752?

A: Janus

Source: IDET 157

21) Q: Each ear of the horse can rotate how many degrees?

A: About 180 degrees

Source: EqSci 62

22) TOSSUP WITH BONUS ATTACHED

Q: What is the major cause of corns?

A: Leaving a short heeled shoe on too long

Source: AYHC 334-1

23) BONUS

Q: Which parent determines the sex of the offspring and why?

A: Stallion determines sex because he carries an X & Y chromosome

Source: EqSci 91

24) Q: Name two (2) conditions a riding horse may develop from constant rein and bit pressure in the mouth and a rider's constant leg pressure.

A: Hard mouth and dead sides

Source: EqSci 65

25) Q: What is the simplest and most effective management protocol for bringing mares into heat prior to the natural breeding season?

A: The use of extended day light

Source: AYHC 336-2L

26) Q: Describe instinctual behavior.

A: An unlearned form of behavior

Source: IDET 153

27) TOSSUP WITH BONUS ATTACHED

Q: Name the mechanical process that reduces the particle size of food, increases the amount of surface area and stimulates the release of saliva during digestion.

A: Mastication (chewing)

Source: EqSci 109

28) BONUS

Q: Name three (3) ways to protect your horse in case of a fire.

A: Keep halter and lead rope near stalls, never lock stalls, have water available, clothes for blindfolds, fire drill

Source: AYHC 340-2

29) Q: What is the distance, in miles, of an 8 furlong race?

A: 1 mile

Source: IDET 116

30) Q: Liquids can take as little as 15 to 30 minutes and dry matter may take as long as 12 hours to pass through this digestive organ that makes up about 8% of the total digestive tract. Name this organ.

A: Stomach

Source: EqSci 110

31) Q: At what age do the permanent central incisors erupt?

A: 2.5 years of age

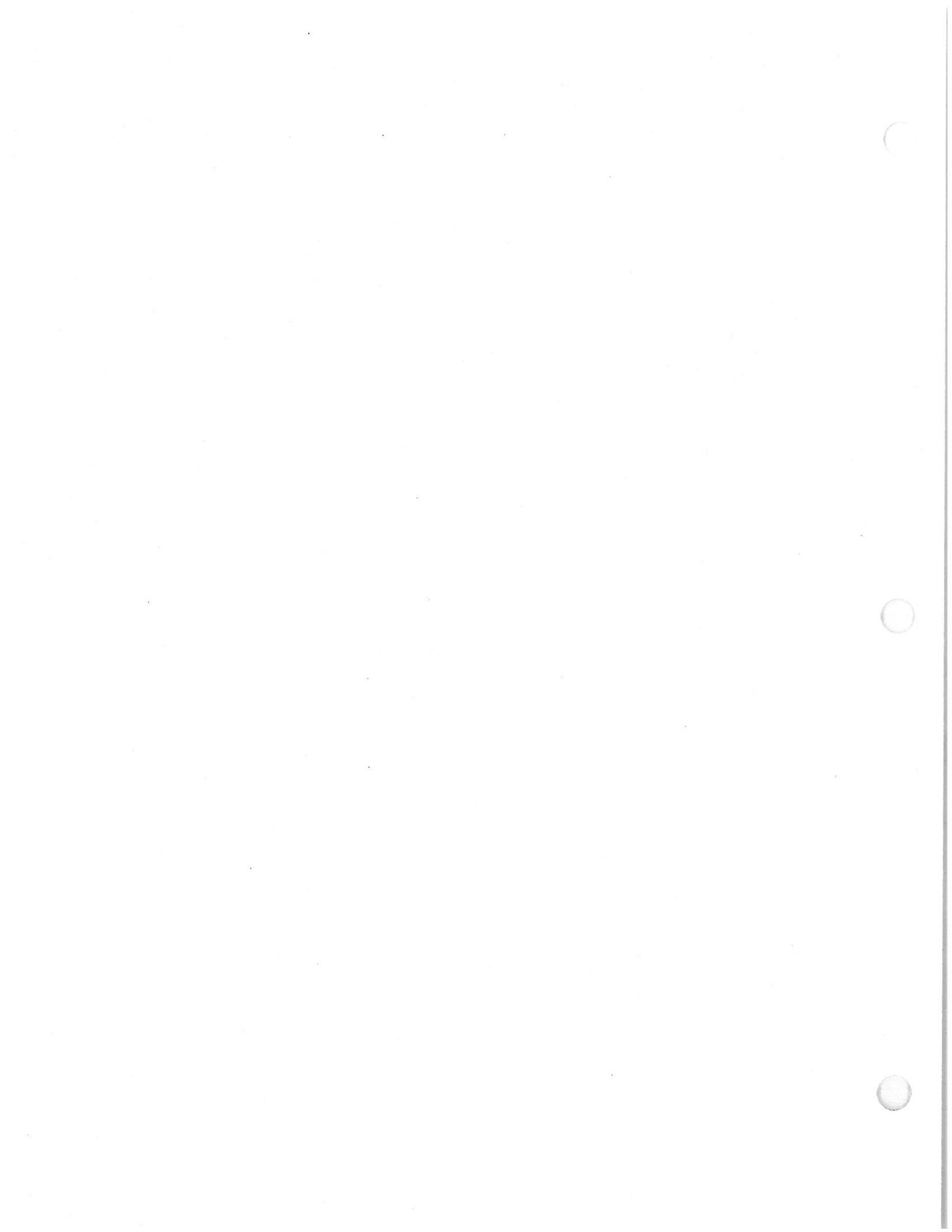
Source: AYHC 405-1

32) Q: What two (2) breeds were crossed to form the Welera?

A: Arabian and Welsh

Source: IDET 10

END OF ROUND FOUR



2012 District Horse Bowl Contest Senior Round Five

ONE-ON-ONE QUESTIONS

1) Q: What is the process of passing genetic material to the next generation?

C1 A: Inheritance

Source: IDET 171

2) Q: What is the term for a mule that is often plainer looking, thinner in flesh, and shows less evidence of quality than draft mules?

C2 A: Farm mule

Source: Evans2 690

3) Q: How many days longer are colts carried than fillies during gestation, on average?

C3 A: 2 to 7 days

Source: EqSci 87

4) Q: What do you call the fecal matter that accumulates in a foal's rectum during gestation?

C4 A: Meconium

Source: AYHC112-3

5) Q: What is the false nostril?

C1 A: An extra flap of skin between the outer nostril and the passageway through which the horse breaths.

Source: Evans2 706

6) Q: What type of movement is necessary for a horse to grind its food?

C2 A: Lateral

Source: EqSci 74

- 7) Q: **How many beats are in the rack and is it a diagonal or lateral gait?**
C3 A: 4 beats, lateral gait
Source: IDET 190
- 8) Q: **What is the Prix des Nations?**
C4 A: An international team show-jumping competition
Source: Evans2 517
- 9) Q: **What is the basic unit of inheritance?**
C1 A: Gene
Source: AYHC 1020-1
- 10) Q: **During movement, what is the brief moment when all four (4) feet are off the ground called?**
C2 A: Period of suspension
Source: IDET 220
- 11) Q: **Grain or concentrates in the horses' daily diet should not exceed what percentage of the total food intake?**
C3 A: 40%
Source: EqSci 107
- 12) Q: **Genetically, what are the three (3) most common colors of horses?**
C4 A: Bay, black and chestnut
Source: AYHC 1040-1

TOSS-UP QUESTIONS

- 13) Q: **What is the "mother of all gaits"?**
A: Walk
Source: IDET 221
- 14) Q: **What type of colic can result from a lack of available water in the diet?**
A: Impaction colic
Source: EqSci 116

15) Q: It is estimated that 25% of Arabians carry the gene for which hereditary disease?

A: Combined Immune Deficiency (CID)

Source: AYHC 1060-4

16) Q: What is the base coat color of a blue roan?

A: Black

Source: IDET 252

17) Q: These are absorbed through the wall of the small intestine and into the bloodstream by way of the liver when enzymes and acids in the digestive tract break down proteins in food. What are these small chains called?

A: Amino acids

Source: EqSci 118

18) TOSS UP WITH BONUS ATTACHED

Q: What is the main function of a headstall?

A: To hold the bit evenly and comfortably in the horse's mouth

Source: AYHC 1100-6

19) BONUS

Q: What are the two (2) ovarian hormones that control the estrous cycle?

A: Estrogens and progestins

Source: IDET 280

20) Q: What substance is considered to be the precursor to vitamin A production in the small intestine?

A: Beta-carotene

Source: EqSci 123

21) Q: What is the buffer between the movements of the sole and the wall of the hoof called?

A: The white line

Source: AYHC 221-1

22) TOSSUP WITH BONUS ATTACHED

Q: What grain is most preferred by horseman?

A: Oats

Source: IDET 285

23) BONUS

Q: List four (4) gaits that do not have a stride suspension phase.

A: Walk, foxtrot, amble, running walk, paso

Source: EqSci 81

24) Q: The diet of a horse with HYPP needs to maintain a low level of which macro-mineral because it accumulates in their body?

A: Potassium

Source: EqSci 136

25) Q: How long is the incubation period for strangles, otherwise known as Equine Distemper?

A: 3 to 6 days

Source: IDET 48

26) Q: What is the registry association for the American Standardbred?

A: United States Trotting Association

Source: AYHC 160-1

27) TOSSUP WITH BONUS ATTACHED

Q: What is the maximum percentage of total fat recommended in an equine feed?

A: No more than 20%

Source: EqSci 148

28) BONUS

Q: How many body types are recognized by the American Miniature Horse Association and what are they?

A: Two (2), Arabian and Quarter Horse

Source: AYHC 154-1

29) Q: List the four (4) fat soluble vitamins.

A: Vitamins A, D, E & K

Source: EqSci 123

30) Q: What is the term for the gene that cannot mask the genetic makeup of the other gene in the allele pair?

A: Recessive gene

Source: EqSci 90

31) Q: What breed has vertically striped hooves?

A: Appaloosa

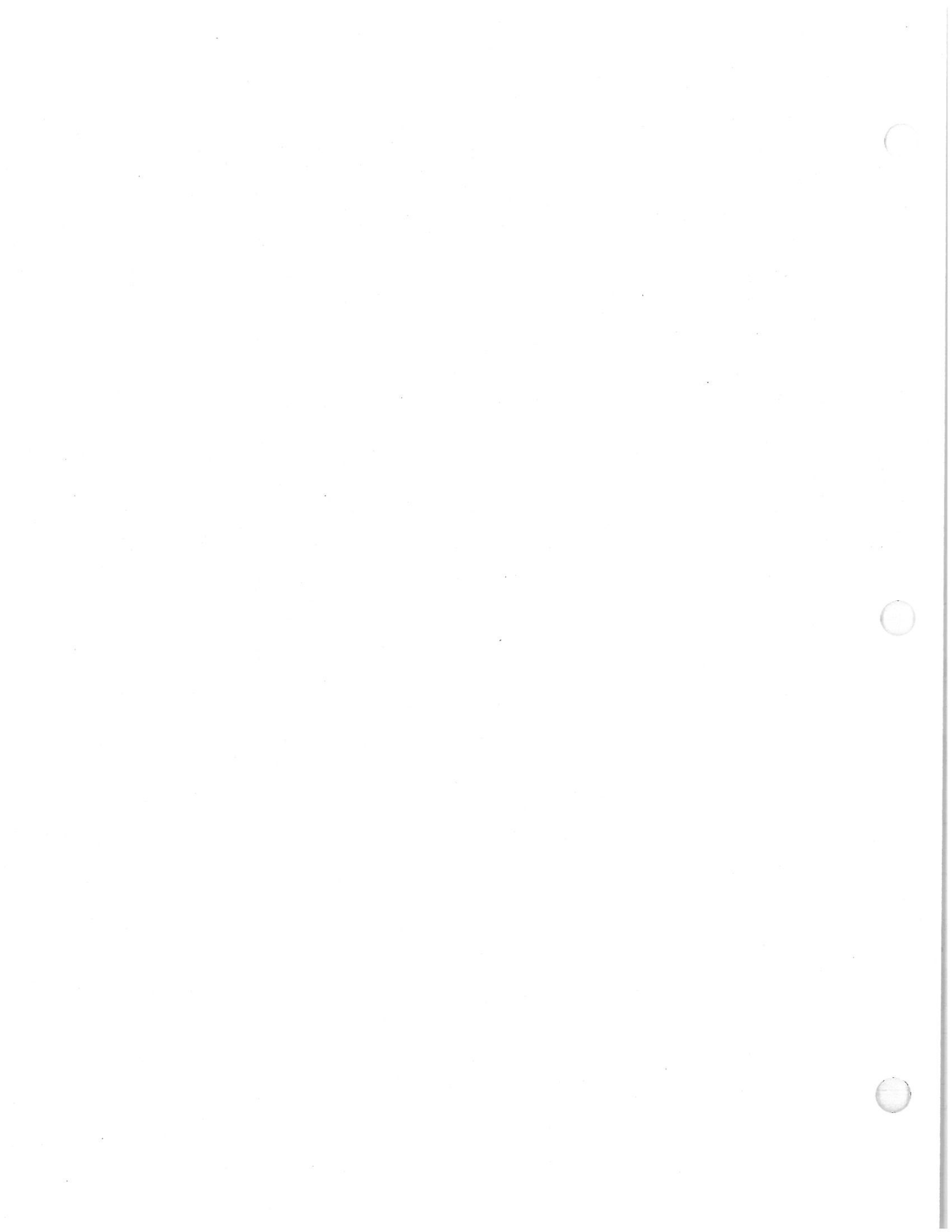
Source: AYHC 158-1

32) Q: Define epilation.

A: The removal of hair by the roots

Source: IDET 71

END OF ROUND FIVE



2012 District Horse Bowl Contest Senior Round Six

ONE-ON-ONE QUESTIONS

- 1) Q: Where in the digestive tract are amino acids synthesized?
C1 A: Large intestine
Source: HIH 710
- 2) Q: What is the average pulse rate of a healthy foal at rest?
C2 A: 70-100 beats per minute
Source: EqSci 100
- 3) Q: What is the inflammation and enlargement of the growth plates of the long bones in rapidly growing horses called?
C3 A: Epiphysitis
Source: Evans2 105
- 4) Q: What is the coil-like structure of deoxyribonucleic acid referred to as?
C4 A: Double helix
Source: IDET 181
- 5) Q: How many canine teeth does an adult mare usually have?
C1 A: None
Source: EqSci 131
- 6) Q: What state did the American White Horse originate in?
C2 A: Nebraska
Source: Evans2 105
- 7) Q: What type of cells divide miotically?
C3 A: Reproductive cells
Source: IDET 172

- 8) Q: What does FSH stand for?**
C4 **A:** Follicle stimulating hormone
 Source: EqSci 15
- 9) Q: What system of the horse does neonatal isoerythrolysis affect?**
C1 **A:** Circulatory
 Source: Evans2 109
- 10) Q: Approximately how many feet long is the small intestine?**
C2 **A:** 70 feet
 Source: EqSci 111
- 11) Q: What is the genetic disorder can be identified by the absence of the iris of the eye, plus cataract of the eye, which can be traced back to one Belgian stallion in Sweden?**
C3 **A:** Aniridia
 Source: EqSci 170
- 12) Q: Which product of the thyroid gland governs the basic metabolic rate?**
C4 **A:** Thyroxin
 Source: Evans2 11

TOSS-UP QUESTIONS

- 13) Q: How many muscles make up the vocal cords?**
 A: Two (2)
 Source: IDET 140
- 14) Q: Excluding the neck and tail, how many vertebrae does the horse have?**
 A: Approximately 29
 Source: EqSci 172

15) Q: Name the hormone (NOT INSULIN) that is secreted by the pancreas to control glucose levels in the body.

A: Glucagon

Source: Evans 2 110

16) Q: What type of shoe is typically fitted cold?

A: Keg shoe

Source: IDET 103

17) Q: What is the infectious disease that leads to rapid death from acute blood poisoning in the horse, and is caused by ingestion of the spore *Bacillus anthracis*?

A: Anthrax

Source: EqSci 173

18) TOSS UP WITH BONUS ATTACHED

Q: What zoological order does the horse fall under?

A: Perissodactyle

Source: EqSci 175

19) BONUS

Q: Name the three (3) categories of microbes that are responsible for the fermentation of fibrous carbohydrates in the cecum?

A: Bacteria, protozoa, and fungi

Source: EqSci 112

20) Q: What was the horse Dan Patch famous for?

A: Pacing

Source: Evans2 126

21) Q: What is the normal temperature of the adult horse in degrees Fahrenheit?

A: 100°F ± 1°

Source: EqSci 155

22) TOSSUP WITH BONUS ATTACHED

Q: What does GASHA stand for?

A: Golden American Saddlebred Horse Association

Source: EqSci 189

23) BONUS

Q: Name five (5) of the seven (7) parts of a horseshoe nail.

A: Head, neck, shank, bevel, point, inner face and outer face

Source: IDET 104

24) Q: What is another name for the condition called "carpus valgus"?

A: Bowlegged

Source: Evans2 161

25) Q: How many minerals are required for healthy body function of the horse?

A: At least 14

Source: EqSci 212

26) Q: Grey horses can have what color markings?

A: white

Source: IDET 101

27) TOSSUP WITH BONUS ATTACHED

Q: Define extensor muscle.

A: Any muscle that extends or straightens a joint

Source: Evans2 175

28) BONUS

Q: What four (4) organs or areas of the body do ascarids effect?

A: Udder and teats, small intestine, liver, and lungs

Source: IDET 100

29) Q: Which of the following infections are caused by a fungus; tetanus, leptospirosis or histoplasmosis?

A: Histoplasmosis

Source: EqSci 173

30) Q: What is eliminative behavior?

A: The behavior of selecting a place to urinate or defecate

Source: Evans2 623

31) Q: How many pairs of spinal nerves are there?

A: 42

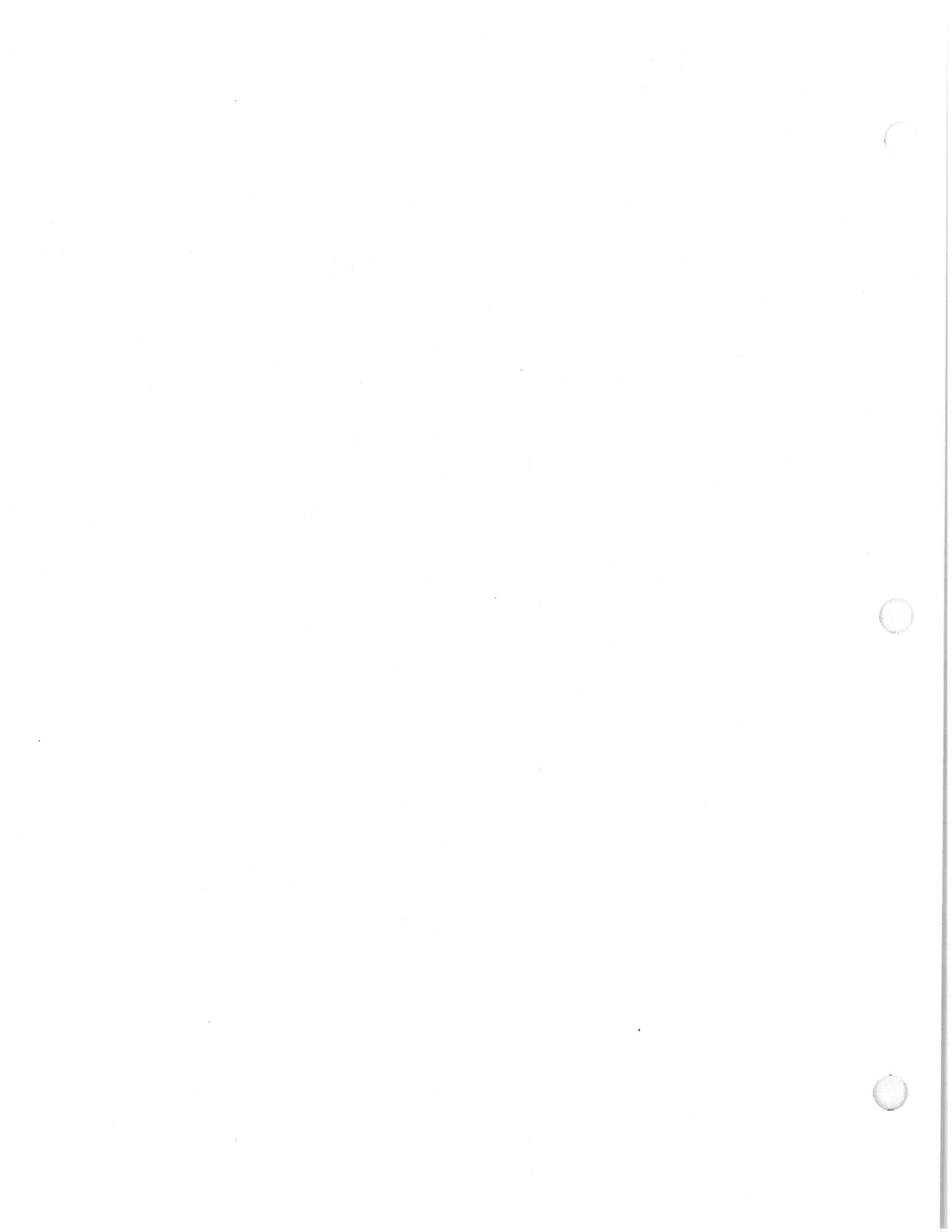
Source: IDET 101

32) Q: Cutting of the cunean tendon is used to treat what type of spavin?

A: Jack or bone spavin

Source: EqSci 47

END OF ROUND SIX



2012 District Horse Bowl Contest Senior Round SEVEN

ONE-ON-ONE QUESTIONS

- 1) C1 **Q – A common complication in the healing of leg wounds is the formation of what?**
A - Excessive Granulation
S - AYHCLM 109-2

- 2) C2 **Q - What is a “mecate” and how long is it?**
A – A long combination lead rope and reins attached to the heel of a bosal: 21 feet
S - IDET 178

- 3) C3 **Q – Name two (2) types of horseshoe nails.**
A - City shape, regular shape, frost head shape
S - Evans2 738

- 4) C4 **Q - Agalactia is when the mare is unable to produce milk. Give a nutritional reason for why this condition may occur.**
A – Grazing on fescue pasture during pregnancy
S - Evans2 276

- 5) C1 **Q - What gene restricts color distribution to the “points,” ie the mane, tail, lower legs and ear rims, by means of a pair of alleles?**
A - Agouti Gene
S - EqSci 95

- 6) C2 **Q - A horse that has insufficient time to forage may chew wood as a filler and to alleviate boredom. What might be another reason for increased wood chewing and decreased forage intake?**
A - Increased gut acid
S - Lewis2 197

7) C3 **Q - What term refers to an excessive accumulation of cerebrospinal fluid?**

A - Hydrocephalus

S - CAHA2 81

8) C4 **Q - A horse's body contains approximately how much blood?**

A - 13.2 gallons or 50 liters

S - HIH 830-1

9) C1 **Q - Which famous American Saddlebred was the six-time winner of the \$10,000 five-gaited championship at the Kentucky State Fair?**

A - Wing Commander

S - Evans2 39

10) C2 **Q - What disease is caused by a tumor on the pituitary gland?**

A - Cushings Disease

S - EqSci 181

11) C3 **Q - What would happen if the umbilical cord were cut off too soon after birth?**

A - The foal would be deprived of substantial quantities of blood

S - Evans2 595

12) C4 **Q - What mineral excess causes a circular horizontal crack in the hoof walls?**

A - Selenium excess

S - Lewis2 330

TOSS-UP QUESTIONS

13) **Q – What is substance that can be applied topically to control bleeding?**

A – Silver Nitrate

S - AYHCLM 109-4

14) **Q - Zinc toxicity causes what?**

A – Anemia, swelling at the epiphyseal region of the long bones, stiffness and lameness

S - Evans2 234

15) **TOSS-UP WITH BONUS ATTACHED**

Q - Name the genetic disease that is a fatal disorder of Belgian horses and related European breeds that results in the birth of foals with skin and mouth lesions that are present or develop within the first few days of life.

A – JEB (Junctional Epydermolysis Bulosa)

S - HIH 1095-2

16) **BONUS**

Q – List three (3) of the four (4) major factors that would cause a growing horse to develop DOD (developmental orthopedic diseases).

A - 1) rapid growth 2) trauma to the bone growth plates or articular cartilages 3) genetic predisposition 4) nutritional imbalances

S - Lewis2 283

17) **Q - What process provides the energy for muscle contractions?**

A - The breakdown of high-energy phosphate bonds in ATP

S - Evans2 101

18) **Q – What type of shoe is used on western pleasure horses to keep the feet closer to the ground, which allows the horse to have a freer, longer stride?**

A - Aluminum

S – HIH 515-4

19) **Q – What is “histogenesis”?**

A – The process of tissue formation

S – EqSci 73

20) **TOSS-UP WITH BONUS ATTACHED**

Q – What is a spasmodic muscle contraction that produces heat, especially in cold weather?

A – Shivering

S - Evans2 104

21) **BONUS**

Q – Blind staggers is caused by three (3) types of poisonings in horses. Name two (2) types.

A - Locoweed, excess selenium and moldy corn poisoning

S - Lewis2 357

22) **Q - From a reproductive standpoint, why are stallions put under artificial lights?**

A - To increase testicular activity

S - HIH 920-3

- 23) **Q - What Spanish based breed of horse was used to formulate the Quarter Horse, the American Saddle Horse and the Tennessee Walking Horse breeds?**
A - The Chicasaw
S - Evans2 9
- 24) **Q – What do the initials “EIPH” stand for?**
A – Exercise Induced Pulmonary Hemorrhage
S – EqSci 278
- 25) **Q - Give another common name for large Strongyles.**
A – Bloodworms
S - Lewis2 154
- 26) **TOSS-UP WITH BONUS ATTACHED**
Q – Name the organization that was the first in the United States to set up an accurate identification system for horses.
A – The Jockey Club
S – EqSci 321
- 27) **BONUS**
Q – Name five (5) of the seven (7) committees of the American Horse Council.
A – Government affairs, racing, showing, health and regulatory, animal welfare, recreation, and state horse council committee.
S – HIH 1910-1
- 28) **Q – What class of horses have the greatest calcium needs?**
A – Young animals and lactating mares
S – Evans2 226

29) **Q – What type of insurance includes theft, transit and limited emergency colic surgery?**

A – Equine Full Mortality

S – EqSci 451

30) **Q - How is the encephalitis virus transmitted to the horse?**

A – By blood sucking arthropods, mainly mosquitoes

S – Lewis2 169

31) **Q – What supports and holds the tendons in place?**

A - Anular Ligaments

S - CAHA2 (35)

32) **Q – What is the only draft horse breed that originated in the United States?**

A – American Cream Draft Horse

S – HIH 163-1

END OF ROUND SEVEN

2012 District Horse Bowl Contest Senior EIGHT

ONE-ON-ONE QUESTIONS

1) C1 **Q - Name the genetic disease that traces back to the Quarter Horse stallion Poco Bueno.**

A - HERDA (hereditary equine regional dermatosparaxis asthenia) or HC (Equine Hyperclastosis cutis)

S - HIH 675-1

2) C2 **Q - What is "hyperlipemia"?**

A - Unusually high levels of fat in the blood

S - Evans2 406

3) C3 **Q - What are two (2) things that the vestibulocochlear nerve is responsible for?**

A - Hearing and balance

S - CAHA2 78

4) C4 **Q - How many different coat patterns are accepted by the Appaloosa breed?**

A - Eight

S - Evans2 34

5) C1 **Q - What disease is described as an incompatibility between the mare's and foal's blood group that results in foal anemia and destruction of the foal's red blood cells by the mare's immune system?**

A - Neonatal isoerythrolysis or NI

S - EqSci (02

6) C2 **Q – In what state was the first American racetrack built?**

A – New York

S - Evans2 117

7) C3 **Q - What is a bowed tendon?**

A – Inflammation of the superficial and/or deep digital flexor tendons sheaths resulting in swelling behind the cannon bones

S - Lewis2 383

8) C4 **Q – What are the two (2) basic styles of traditional pack saddles?**

A – Crossbuck and decker

S – HIH 1125-1

9) C1 **Q - What ligament connects the splint bone to the cannon bone?**

A - The interosseous ligament

S - IDET 154

10) C2 **Q - Explain why foxtail barley and bristle grass are not desirable for horse pasture.**

A – They can become embedded in the mucous membranes of the cheeks, tongue and gums; causing ulcers, excessive salivation and difficulty in eating.

S – Lewis2 30

11) C3 **Q - What is thrombus?**

A - Another name for an intravascular clot

S - Evans2 624

12) C4 **Q - When rotating pastures, how long should horses be removed from the pasture before returning to the same pasture in order to maintain a good forage regrowth?**

A - At least 4 weeks

S - AYHCLM 220-5

TOSS-UP QUESTIONS

13) **Q - The carpus consists of how many and what type of bones?**

A - 8 short bones

S - Evans2 97

14) **Q - What enzyme is secreted by the pancreas into the small intestine and enhances protein digestion?**

A - Trypsin

S - Lewis2 407

15) **TOSS-UP WITH BONUS ATTACHED**

Q - How many lobes make up the right and left lungs?

A - Right- 3, Left-2

S - Evans2 105

16) **BONUS**

Q - What are the seven (7) macrominerals required by the horse?

A - Calcium, chloride, magnesium, phosphorus, potassium, sodium, sulfur

S - EqSci 131

17) **Q - What is the medical term for inflammation of the intestines?**

A – Enteritis

S – Evans2 557

18) **Q – Name the chemical substance secreted by the blister beetle that is poisonous to the horse.**

A - Cantharid

S - AYHCLM (415-9)

19) **Q – At what university did the nation’s first veterinary college open at in 1868?**

A – Cornell University

S – EqSci 14

20) **TOSS-UP WITH BONUS ATTACHED**

Q - Name one (1) activity in which a horse would use type IIB fibers.

A – Sprinting, jumping or cutting

S – EqSci 115

21) **BONUS**

Q - Name three (3) factors that can cause a mature horse to eat feces.

A - high-grain diet, protein-deficient diet, boredom

S - Lewis2 376

- 22) **Q – Fill in the blank. The trachea divides into the left and right _____ .**
A – Bronchi
S - Evans2 105
- 23) **Q - What was the first association formed for an American breed of horse?**
A - The American Saddlebred Horse Association
S - HIH 156-1
- 24) **Q - What is known as the volume of air inspired or expired during each breathing cycle and is approximately six (6) liters?**
A – Tidal volume
S - Evans2 109
- 25) **Q – Specifically, why did Secretariat run faster than the average racehorse?**
A – He spent less time with his legs in the stance and overlap phase. In other words, his legs completed their ground contact quicker and more time was spent in the suspension phase.
S – EqSci 118
- 26) **TOSS-UP WITH BONUS ATTACHED**
Q - What is the clear, colorless fluid that is moved toward the venous system through a series of valves by pressure formed when muscles contract?
A – Lymph
S – Evans2 112

27) **BONUS**

Q –What are the three (3) joints of the hock?

A –Tarsocrural or tibiotarsal, intertarsal, tarsometatarsal

S – Lewis2 120

28) **Q - How and why was the Cooperative Extension Service established?**

A - Established by the Smith-Lever Act of 1914 as way to distribute new research information to the states

S - HIH 130-1

29) **Q – Foals are considered to be premature if they are born before how many days of gestation?**

A – 320 days

S – EqSci 275

30) **Q - What plant contains an anti-thiamine compound and may induce a thiamin deficiency in horses?**

A – Bracken fern

S – Evans2 242

31) **Q – The oldest of American horse breeds, this light horse is compact and muscular, with a refined body and chiseled face. The foundation sire was named after his owner. What is the breed?**

A – Morgan

S – HIH 151-1,2

32) **Q – What are the three (3) broad categories of infectious diseases?**

A – Parasitic, bacterial and viral

S – EqSci 276

END OF ROUND EIGHT

