

**DISTRICT SET  
2006 HORSE BOWL CONTEST  
SENIOR DIVISION**

**FIRST ROUND**

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**Individual Questions**

Team A Contestant #1

Q: What is the term describing a deficiency of red corpuscles in the blood?

HS

46

A: Anemia

Team B Contestant #1

Q: What is the term describing the distance from imprint to imprint caused by a horse's foot when completing one step?

HH

18

A: Stride

Team A Contestant #2

Q: What is the term for working a horse on a 25 to 30 foot line in a circle?

HH

39

A: Longeing

Team B Contestant #2

Q: Polo games are divided into periods called \_\_\_\_\_?

HH

45

A: Chukkers

Team A Contestant # 3

Q: The horse is most useful between what ages?

HS

12

A: Three (3) to fifteen (15) years

Team B Contestant #3

Q: A pony must be under how many hands?

HH

47

A: 14.2

Team A Contestant #4	
Q: What is the proper term for chewing?	HS
A: Mastication	23

Team B Contestant #4	
Q: What is proper term for swallowing?	HS
A: Deglutition	23

### Toss-up Questions

Q: What organization in Texas inspects brands at livestock sales and auctions?	THORG
A: Texas and Southwestern Cattle Raisers Assn.	

<b>Bonus Attached</b>	
Q: What does HYPP stand for?	THORG
A: Hyperkalemic periodic paralysis	Sec. 11 Paper8
<b>BONUS</b>	
Q: Which vitamin stimulates calcium absorption, and where is the primary site of calcium absorption?	The Horse
A: Vitamin D and Small Intestine	221

Q: In which direction should a horse be reversed towards in a Western Pleasure class?	Horse Jdg. Ldr. Guide
A: To the inside of the arena or away from the rail	88

Q: Name four methods for processing horse feed grains.	THORG
A: Crimping, Flaking, Rolling, Cracking, Steam Flaking, Grinding, Pelleting, Extruding	Sec. 3 Paper1

Q: What is the penalty for knocking over a pole in stakes?	Texas 4-H Show Rules
A: Disqualification	12

Q: When cleaning the hoof, in which direction should the hoof pick be used?	HH 36
A: From the heel towards the toe.	

Q: Why is washing a poor substitute for regular grooming?	HH 29
A: It removes the protective oil from the hair and skin.	

**Bonus Attached**

Q: Where is a horse's center of motion located?	HS 5
A: Approximately over the 15th vertebra.	

**BONUS**

Q: Name four of the digestive accessory organs.	HS 23
A: Teeth, tongue, salivary glands, liver and pancreas.	

Q: If a horse wrings their tail during a western pleasure class they are showing poor ____?	Horse Jdg Leader Guide 88
A: Attitude	

Q: Can a horse be watered immediately after feeding?	HS 24
A: Yes	

Q: In a showmanship at halter class what will a judge use to break ties?	Horse Jdg. Lead. Guide 119.
A: Grooming of the horse	

**Bonus Attached**

Q: How many ribs does a horse have on each side?	
A: 18	

**BONUS**

Q: There are two distinct types of equine influenza which are common throughout the world, name them	
A: A1 and A2	7

Q:	How often should an unshod horse have their hooves trimmed?	HH 36
A:	At least once per month or every 4 to 6 weeks.	

Q:	Which bones are referred to as the flat bones?	
A:	Cannon bones	7

Q:	What is halitosis?	Dictionary
A:	Bad Breath	

<b>Bonus Attached</b>		
Q:	Gestation requires how many days?	HS
A:	340 (300 - 400)	19
<b>BONUS</b>		
Q:	What is a degeneration of shoulder muscles due to loss of nerve supply?	Horse Jdg. Man. 14
A:	Sweeny	

Q:	Name the three parts that comprise the bridle.	HH
A:	Reins, bit and headstall	24

Q:	What is a perfect score in a horse judging class?	Horse Jdg. Ldr. A: Guide 198
A:	50 points	

Q:	What fault does a horse have if its front toes turn in and the heels turn out?	HH 38
A:	Pigeon Toe	

Q:	What is the correct term for birth?	HS
A:	Parturition	
		19

## SECOND ROUND

### Individual Questions

Team A Contestant #1

Q: What is the smallest of the blood vessels?

Dictionary

A: Capillaries

Team B Contestant #1

Q: What is the dense center of a cell where  
the genetic material is contained?

HS

16

A: Nucleus

Team A Contestant #2

Q: What is gymkhana?

HH

A: A program of games played on horseback.

46

Team B Contestant #2

Q: A horse of eastern or oriental blood  
is said to be \_\_\_\_\_?

HH

2

A: Hot blooded

Team A Contestant #3

Q: What is a contusion?

Dictionary

A: Bruise

Team B Contestant #3

Q: At what age is a horse normally referred  
to as being smoothed mouth?

HS

14

A: 12 years

Team A Contestant #4

Q: How a horse moves its feet and legs refers  
to \_\_\_\_\_?

HH

45

A: Action

Team B Contestant #4

Q: The pregnancy process is also known as \_\_\_\_? HS  
A: Gestation 19

**Toss-Up Questions**

Q: Name three parts of the hoof. HH  
A: Toe, quarter, white line, heel, wall, frog, sole and buttress. 37

Q: How do bot fly larvae enter a horse's body? HS  
A: Through the mouth. 44

**Bonus Attached**

Q: What is the disease commonly called "sleeping sickness"? HS  
A: Encephalomyelitis 4

**BONUS**

Q: Name three common protein supplements used for horses. HS  
A: Soybean meal, linseed meal, cottonseed meal and peanut meal. 31

Q: Name four natural aids used in controlling the horse. HH  
A: Legs, hands, weight and voice. 45

Q: Name two symptoms a horse will exhibit if infested with lice. HS  
A: Rubbing, biting, general unthriftiness, and patches denuded of hair. 40

Q: A ring of rope, rawhide or metal on a lasso through which the loop slides is called a \_\_\_\_? HH  
A: Honda 46

**Bonus Attached**

Q: What is the disease commonly referred to as "lockjaw"? HS  
38

A: Tetanus

**BONUS**

Q: Name four of the essential amino acids. The Horse

A: Arginine, Histidine, Isoleucine, Lysine, Methionine, Phenylalanine, Threonine, Tryptophan, Valine  
219

Q: Does the pituitary gland secrete hemoglobin, hormones or histamines? HS  
16

A: Hormones

Q: Would describe the trot as a lateral or diagonal gait? HH

A: Diagonal  
16

Q: Name the main artery of the hind leg. The Horse

A: Femoral Artery  
706

Q: Is tetanus a bacteria or a virus? HS

A: Bacteria  
37

**Bonus Attached**

Q: Where is the pituitary gland located? HS

A: At the base of the brain.  
16

**BONUS**

Q: Name the two apparent reasons for developmental orthopedic disease. THORG

A: (1) Nutrient imbalances and (2) Excessive forced exercise of confined horses. Sec.6 Paper 1

Q: A \_\_\_\_ is a group of horses having common origin, and possessing certain distinguishable characteristics that are transmittable to their offspring. HH  
2

A: Breed

Q: Where should a rider's weight be positioned to offer the greatest stability, and least interference with a horse's movement?	HS 5
A: As near as possible over the horse's center of motion.	

Q: How much weight do the front legs carry?	HS 7
A: Two-thirds (66%)	

<b>Bonus Attached</b>	
Q: Where do the muscles terminate that control leg movements?	HS 7
A: At the knee.	
<b>BONUS</b>	
Q: Give the diameter, length and capacity of the large colon.	HS 25
A: Diameter 8 to 10 inches Length 10 to 12 feet Capacity 28 to 32 quarts	

Q: What is forging?	HH 12
A: When the toe of the hindfoot strikes the forefoot.	

Q: What are the four C's associated with the show arena?	HH 31
A: Confidence, Cooperation, Consideration and Carefulness	

Q: What do you call a person who rides without control of the horse?	HH 47
A: Passenger	

Q: If a horse is said to be "sound" what does this mean?	HH 47
A: They are free from any abnormal deviations in structure or function which interferes with their usefulness.	

## THIRD ROUND

### Individual Questions

Team A Contestant #1

Q: When referring to teeth is the labial surface towards the lips or tongue?

A: Lips

Team B Contestant #1

Q: When and where was Potomac Horse Fever first recognized?

A: 1979 in Maryland next to the Potomac River.

Team A Contestant #2

Q: Name the part of the bit which curves up over the tongue.

HH  
47

A: Port

Team B Contestant #2

Q: Where did the horse originate?

HS

A: The great plains of North America

2

Team A Contestant #3

Q: Name the three roping events held at the state 4-H Horse Show.

A: Tie-Down Calf roping, Breakaway roping and team roping.

Team B Contestant #3

Q: What is the back of the saddle called?

HH

A: Cantle

45

Team A Contestant #4

Q: An animal capable of shedding disease causing organisms is know as a \_\_\_\_?

HS  
37

A: Carrier

Team B Contestant #4

Q: Name two parts of the large intestine. HS  
A: Cecum, large colon, small colon, rectum. 25

**Toss-Up Questions**

Q: What is the term for a lack of hair where it should normally be present? Dictionary  
A: Alopecia

Q: Should withers be high and well defined or rounded? HS  
A: High and well defined. 7

**Bonus Attached**

Q: Describe the term "feral". HH  
A: Refers to a horse that has escaped from domestication, as contrasted to one that originated in the wild. 46

**BONUS**

Q: What is a fiadore? HH  
A: A special knot on a hackamore which exerts pressure at rear of the jaws. 46

Q: Is sidebone an unsoundness or a blemish? HS  
A: Unsoundness 10

Q: What do you call a horse that has purebred or high-grade parents of different breeds? HH  
A: Crossbreed 2

Q: What is a zygote? Dictionary  
A: Fertilized Egg 78

**Bonus Attached**

Q: What is a means of artificially stimulating the immunity of an animal without actually giving it the disease? HS  
37

A: Vaccination

**BONUS**

Q: What specifically produces cortisol? Dictionary  
A: Adrenal cortex of the adrenal gland. 6

Q: Excessive feeding of protein supplements can cause what? HS  
31

A: Digestive upsets (colic).

Q: Approximately how long is the esophagus? HS  
A: 50 to 60 inches 24

Q: What is the capacity of the large colon? HS  
A: 80 quarts 25

Q: What is the length of the rectum? HS  
A: 1 foot 25

**Bonus Attached**

Q: What is the circle-like structure near the center of the wearing surface of the permanent incisors? HS  
14

A: Dental Star

**BONUS**

Q: Name the three systems within the confines of the rib cage?

A: Circulatory, Respiratory and Digestive

Q: What is the term for the passageway an animal passes through during parturition? HS  
16

A: Birth Canal

Q: White foal syndrome is associated with which color pattern?	The Horse
A: Overo	513

<b>Bonus Attached</b>	
Q: What type of gait is the amble?	HH
A: Lateral	17
<b>BONUS</b>	
Q: What are the five categories or criteria of judging a halter horse?	Horse Jdg. Man.
A: Balance, muscling, structure, quality and travel.	2

Q: What is the horny growth on the inside of a horse's leg called?	HH
A: Chestnuts or night eyes	45

Q: A young foal is trained by _____ ?	HH
A: Repetition	39

Q: What are the three gaits performed in a Western Pleasure class?	Horse Jdg. Ldr. Guide
A: Walk, jog (trot), lope	88

Q: Length of neck plays an important part in length of _____ ?	HS
A: Stride	7

Q: What is feces?	HS
A: Waste matter of digestion.	25

## FOURTH ROUND

### Individual Questions

Team A Contestant #1

Q: Eohippus had \_\_\_ toes on each forefoot  
and \_\_\_ toes on each hindfoot.

HS  
2

A: 4, 3

Team B Contestant #1

Q: What is the weakest part of the topline?

HS  
7

A: Loin

Team A Contestant #2

Q: When was the horse reintroduced  
to North America?

HS  
2

A: The Sixteenth (16th) Century

Team B Contestant #2

Q: How many points are required to advance from district to state in the qualifying portion of  
the Texas 4-H Horse Show?

A: One

Team A Contestant #3

Q: How long, in days, is the average length  
of the estrous cycle.

HS  
18

A: 22 days (17 to 30 days)

Team B Contestant #3

Q: Name the two types of cell division.

HS  
20

A: Mitosis and Meiosis

Team A Contestant #4

Q: Where is the cannon located?

HH  
45

A: Below the knee in the front legs, and  
below the hock in the rear legs.

Team B Contestant #4

Q: What is another name for the rump?

Horse Bowl Guide

A: Croup

33

**Toss-Up Questions**

Q: What is the term for the ability of a horse to control his action in order to travel collectedly and in correct form?

HH

18

A: Balance

Q: What is the correct term for "pecking order"?

The Horse

A: Dominance Hierarchy

676

**Bonus Attached**

Q: In reference to the digestive system, what is the cardia?

HS

24

A: The opening of the esophagus into the stomach.

**BONUS**

Q: Name five parts of the horse's alimentary canal.

HS

A: Mouth, pharynx, esophagus, stomach, small intestine, large intestine and anus

23

Q: Head carriage describes the portion of a horse's head relative to what fixed point?

Horse Jdg. Ldr. Guide

A: The ground

102

Q: What is another term for overbite?

Horse Jdg. Man

A: Parrot mouth

14

Q: The unborn animal as it develops in the uterus is called \_\_\_\_\_ ?

HS

16

A: Fetus

**Bonus Attached**

Q: Name the five types of nutrients a horse needs. HS

A: Energy nutrients (carbohydrates and fats), proteins, vitamins, minerals and water. 26

**BONUS**

Q: What is the term for an abnormal bony growth at the fetlock joint? Horse Jdg. Man  
15

A: Osselet

Q: From which point of view is length of stride best evaluated? Horse Jdg. Man  
12

A: Side

Q: Where can you find a horse's poll? HH

A: On top of the head just behind the ears. 47

**Bonus Attached**

Q: In 4-H, Hunter Hack jumps are set at multiples of how many feet? Tx Horse Show  
Rules

A: Twelve (12) 14

**BONUS**

Q: What is the tube connecting the infundibulum to the uterus? HS  
18

A: Oviduct (Fallopian Tube)

Q: A horse's structure would refer to his \_\_\_\_\_ ? HS

A: Anatomy 23

Q: Which side of the horse is the off side? HH

A: Right side of the horse. 47

Q: What is the length, in feet, of the cecum? HS

A: Four (4) feet. 25

**Bonus Attached**

Q: What is a body regulating chemical secreted by a gland into the blood stream? HS  
16

A: Hormone

**BONUS**

Q: What are the four life-cycle stages of the tick? HS

A: Egg, six-legged larva (seed tick),  
eight-legged nymph and adult. 42

Q: In halter which two gaits are used to evaluate travel? Horse Jdg. Man  
12

A: Walk and trot.

Q: If a horse is favoring a particular foot what is he doing? HH  
46

A: Limping

Q: What is the primary function of the front feet and legs? HS  
4

A: To support the horse when he is at rest.

Q: What causes ringworm? HS

A: Fungus 42

Q: How many total teeth does a stud colt have at birth? HS

A: 24 12

Q: What are the second dentition or adult teeth called?

A: Permanent Teeth

## FIFTH ROUND

### Individual Questions

Team A Contestant #1

Q: If a horse could vomit, what would occur?

HS

A: Rupture of the stomach and pneumonia

24

Team B Contestant #1

Q: Why is muscling important?

Horse Jdg. Lr. Gd

A: It moves the skeleton (provides movement of the horse)

47

Team A Contestant #2

Q: What constitutes an unsoundness?

A: Any abnormal deviation in structure or function.

Team B Contestant #2

Q: What is roaring?

HS

A: Difficult breathing due to obstruction usually in larynx.

11

Team A Contestant #3

Q: Name an area where a rupture might occur.

HS

A: Umbilical or scrotal

11

Team B Contestant #3

Q: Describe the condition known as stifled.

HS

A: A displaced patella or stifle joint.

11

Team A Contestant #4

Q: What is the primary sex organ in the mare?

HS

A: Ovary

17

Team B Contestant #4

Q: What is the primary sex organ in the stallion?

HS

A: Testicle

18

## Toss-Up Questions

Q:	What is a female foal up to three years of age called?	Horse Jdg. Man.
A:	Filly	14

Q:	Weight placed too far back on a horse lessens his _____ ?	HS
A:	Propelling Power	5

Q:	If a horse is 15 hands tall at the withers, how tall is he in inches?	
A:	Sixty (60) inches.	

### **Bonus Attached**

Q:	What does it mean if a horse has a "full mouth"?	HS
A:	They have a <i>complete</i> set of <i>permanent incisors</i> .	15

### **BONUS**

Q:	What is a blood spavin?	HS
A:	Swelling of the vein usually below the seat of a bog spavin.	11

Q:	What does TDN stand for?	HS
A:	Total Digestible Nutrients	28

Q:	What is a cross between a jack and a mare?	HH
A:	Mule	47

Q:	When referring to teeth, what is a cup?	HS
A:	The hollow space on the wearing surface of the incisor.	15

**Bonus Attached**

Q: Name three legume hays. HS  
A: Alfalfa, soybean, peanut, lespedeza, clover. 30

**BONUS**

Q: What term is described as agreeable and HH  
pleasing to taste? 47  
A: Palatable

Q: What is the correct term for the sheath covering the penis? The Horse  
A: Prepuce 359

**Bonus Attached**

Q: Which protein supplement is lowest in protein, HS  
but is used for its laxative effect, and to 31  
improve the luster of hair?  
A: Linseed Meal

**BONUS:**

Q: What is the end product of glycolysis? The Horse  
A: Lactic Acid 101

Q: What are the sons and daughters of a mare called? HH  
A: Her produce 48

Q: What is inflammation and swelling anterior 4-H Horse Jdg.  
Man. to the cannon bone due to tearing of the 15  
membrane that covers the periostem?  
A: Bucked Shins

Q: What is the main energy nutrient? HS  
A: Carbohydrate 26

**Bonus Attached**

Q: What are the three main types of feed? HS  
A: Roughages, concentrates and mixed feeds. 29

**BONUS**

Q: On a fifteen-year-old horse how far down the upper corner incisor would the Galvayne's Groove extend?  
A: Halfway

Q: What is the scientific name for the study of how characteristics are passed from parents to offspring? HS  
A: Genetics 20

Q: How many ovaries does a stallion have? HS  
A: None 2

Q: What is the proper name for first milk? HS  
A: Colostrum 19

Q: What does monocular vision mean? HS  
A: The ability to see separate objects with each eye at the same time. 3

Q: Describe milk teeth. HS  
A: Teeth that are smallish and white with a distinct neck. 13

Q: What is another term for a slow trot? HH  
A: Jog 21

## SIXTH ROUND

### Individual Questions

Team A Contestant #1

Q: The cecum is also known as what?

HS

A: A functional appendix.

25

Team B Contestant #1

Q: What is the key to carbohydrates?

HS

A: Carbon

26

Team A Contestant #2

Q: Fat has \_\_\_ more times of energy per gram than carbohydrates.

HS

A: 2.25

26

Team B Contestant #2

Q: What is found in green grass, and is a good source of Vitamin A?

HS

A: Carotene

27

Team A Contestant #3

Q: What is the scientific name for the egg?

HS

A: Ovum

16

Team B Contestant #3

Q: What are the units of inheritance?

HS

A: Genes

20

Team A Contestant #4

Q: Name an insect which spreads sleeping sickness?

A: Mosquito or biting flies

Team B Contestant #4

Q: What is the scapula?

A: The shoulder blade.

## Toss-Up Questions

Q:	Name the three evolutionary stages of the horse in order.	HS 2
A:	Eohippus, Mesohippus and Equus	

Q:	Where can a shoe boil be found?	HS
A:	Point of the elbow.	10

Q:	What is a ringbone?	HS
A:	A bony growth on either or both sides of the pastern.	10

### **Bonus Attached**

Q:	What is the term for a male horse that is castrated?	HH 45
A:	Gelding	

### **BONUS**

Q:	What is correct term for the navicular bone?	The Horse
A:	Distal Sesamoid	697

Q:	From what country did the Cleveland Bay originate?	HH
A:	England	3

Q:	What is a jack?	HH
A:	a male donkey or ass.	47

Q:	What is a soft-bodied, grublike, footless insect larva, found usually living in decaying matter?	HS 46
A:	Maggot	

**Bonus Attached**

D: Give the technical term for mares exhibiting no signs of estrus during the winter months.

A: Anestrous

**BONUS**

Q: What mineral deficiency is associated with muscular dystrophy?

The Horse

A: Selenium

234

Q: A short-necked horse possesses how many cervical vertebrae?

HS

A: Seven

5

Q: What are two basic types of roughages?

HS

A: Grasses and legumes

29

Q: What is a mule foal called?

Horse Jdg. Man.

A: Colt

14

Q: In quarts, what is the capacity of the large intestine?

HS

A: Between 130 and 142 quarts

23

Q: How often should a horse's feet be cleaned?

HH

A: Once per day

36

**Bonus Attached**

Q: Where are the balls of feces formed?

HS

A: In the small colon.

25

**BONUS**

Q: How many tissue layers compose the scrotum?

THORG

A: 4

Sec.7 Paper 1

Q: In the stakes race how many times do you cross the line between the cones?

4-H Show Rules

A: Three

12

**Bonus Attached**

Q: In the stakes race how far apart are the cones?

A: 20 feet

**BONUS**

Q: Why is Vitamin B deficiency not a normal occurrence in the horse?

HS

25

A: The vitamins are either available in sufficient quantity in the diet, or they are synthesized by bacteria.

Q: How often should a stabled horse be groomed?

HH

A: At least once per day.

27

Q: A deep heart girth and well sprung foreribs give room for what two systems?

HH

10

A: Respiratory and digestive

Q: What farm animal is Neat's-foot oil made from?

HH

A: Cattle

47

Q: What is the only cereal grain that contains carotene?

THORG

A: Corn

Sec. 1 Paper 4

## SEVENTH ROUND

### Individual Questions

Team a Contestant #1

Q: What is an unbranded stray called?

HH

A: Maverick

47

Team B Contestant #1

Q: What are the toothed wheels on spurs called?

HH

A: Rowels

47

Team A Contestant #2

Q: What is the term for an abnormal condition that an animal possesses at birth?

A: Congenital

Team B Contestant #2

Q: What is the name for a saddle pad cut to fit the shape of the saddle, and has a large colorful roll around the edge?

HH

45

A: Corona

Team A Contestant #3

Q: What do you call mild bucking motions?

HH

A: Crow hops

46

Team B Contestant #3

Q: What is the muscular part of the hind leg above the hock?

HH

46

A: Gaskin

Team A Contestant #4

Q: A horse with little training is known as \_\_\_\_\_?

HH

A: Green or green-broke.

46

Team B Contestant #4

Q: What is the leather, canvas, or corded piece around the body of the horse to hold the saddle on.

HH

46

A: Girth

## Toss-Up Questions

Q:	What is an inflamed swelling of the poll between the ears?	HS 10
A:	Poll Evil	

Q:	How many molars does the average stud colt have?	HS
A:	Twelve (12)	12

Q:	Approximately how many minutes are required for a horse to eat a pound of hay?	HS 24
A:	15 to 20 minutes	

### **Bonus Attached**

Q:	What does a follicle contain?	HS
A:	An egg.	16

### **BONUS**

Q:	In percent, approximately how much nitrogen is in protein?	HS 28
A:	Sixteen (16)	

Q:	Mineral balance in the blood is controlled by which vitamin?	HS 27
A:	D	

Q:	What are thread-like structures appearing in pairs in body cells?	HS 20
A:	Chromosomes	

Q:	Why can't a horse breathe through the mouth?	HS
A:	Because of the blocking action of the soft palate.	24

Q:	Name <i>two</i> of the glands secreting juices into the small intestine which influences digestion.	HS 24
A:	Pancreas, liver and intestinal glands	

**Bonus Attached**

Q: What term describes a collection of horses? HH  
A: Cavy 45

**BONUS**

Q: What percent TDN is in molasses? HS  
A: Fifty-four (54) percent. 31

Q: What is a fluid-filled, soft, puffy swelling in the joints; caused by stress? Horse Jdg. Man. 14  
A: Windpuff or windgall.

Q: What is the term for an abnormal elevation of the lumbar vertebrae? Horse Jdg. Man. 8  
A: Roach backed

**Bonus Attached**

Q: Blood is primarily \_\_\_\_? HS  
A: Water 28

**BONUS**

Q: What is the familiar name for the disease caused by the streptococcus equi bacteria?  
A: Strangles

Q: What Indian tribe is associated with the Appaloosa? HH  
A: Nez Perce 45

Q: When should exercised horses be groomed? HH  
A: Before leaving the stable or saddling, and again when returned to the stable or unsaddled. 27

Q: How many teeth does a normal, mature stallion or gelding have? HS  
A: 40 12

**Bonus Attached**

Q: Name three common external parasites of horses. HS

A: Lice, flies, mites, ticks and a fungus (ringworm). 39

**BONUS**

Q: What is a bone spavin and where is it found? HS

A: Bony growth usually found on inside lower point of the hock. 11

Q: Bronchitis is an inflammation of what? HS

A: Bronchial Tubes 46

Q: What is the term for calcification of the bone along the inside of the cannon bone? Horse Jdg. Man. 14

A: Splint

Q: Which horse originated in Sweden? The Horse

A: Gotland 74

Q: What is the primary function of the cardiopulmonary system?

A: To deliver oxygen from the lungs to various tissues in the body.

## EIGHTH ROUND

### Individual Questions

Team A Contestant #1

Q: What is the placenta commonly called?

HS

A: Afterbirth

16

Team B Contestant #1

Q: The movement of stomach and intestines,  
and the elimination of residue is \_\_\_\_\_?

HS

23

A: Defecation

Team A Contestant #2

Q: If a horse has difficulty in breathing and/or lung  
damage it is said to have \_\_\_\_?

HS

11

A: Heaves

Team B Contestant #2

Q: How are the front legs attached to the rest  
Man.  
of the body?

4-H Hrs Jdg.

5

A: Muscles and tendons

Team A Contestant #3

Q: Who reintroduced the horse to North America?

HS

A: Spaniards

2

Team B Contestant #3

Q: The principal role of the horse prior  
World War II was \_\_\_\_\_?

HS

2

A: War Machine

Team A Contestant #4

Q: How long is a chukker?

HH

A: Seven and one-half minutes.

45

Team B Contestant #4

Q: How many beats are there in a canter?

HH

A: Three

16

## Toss-Up Questions

Q:	What is the fifth gait requested of the American Saddle Horse?	HH
A:	Rack	18

Q:	How can a rider shift the center of gravity?	HS
A:	By shifting his weight from side to side or front to rear.	5

### **Bonus Attached**

Q:	How much does a healthy hoof grow each month?	HH
A:	Three-eighths (3/8) to one-half (1/2) inch.	36

### **BONUS**

Q:	What events are used to determine Champion Stock Horseman at the Texas 4-H Horse Show?
A:	Cutting, Reining, Team Penning, and Working Cow Horse

Q:	Describe cribbing.	HH
A:	Biting or setting teeth against the manger or some other object while sucking air.	45

Q:	One who is trained and skilled in treating animal diseases.	HH
A:	Veterinarian	48

Q:	What is the term for an acquired, annoying habit?	HH
A:	Vice	48

### **Bonus Attached**

Q:	What is known as the basis of horse training?	HS
A:	The power of association.	5

### **BONUS**

Q:	What type of infection is it when the host and invading organism are at a standoff, and the infection makes little or no progress?	HS
A:	Chronic	37

Q:	Name a disease that is characterized by a pungent odor, and associated with the hoof.	HH 36
A:	Thrush	

Q:	What is the maximum time a louse can live off of the host animal?	HS 40
A:	Three days	

Q:	Which gland secretes bile?	HS
A:	Liver	24

Q:	Give two example when a Pelham Bridle would be used?	HH 24
A:	For Polo, Hunting, Park and Country Riding	

**Bonus Attached**

Q:	What is the common name for the Third Phalanx?	
A:	Coffin Bone	

**BONUS**

Q:	Define the term Remuda.	HH
A:	A collection of saddle horses from a roundup from which are chosen the ones to be used for the day. <b>OR</b> A relay of mounts.	47

Q:	What is the lead rope called that is sometimes attached to a hackamore?	HH 47
A:	Mecate	

Q:	Wheat bran and rice bran are good sources of which two B vitamins?	HS 31
A:	Thiamine (B <sub>1</sub> ) and niacin (B <sub>3</sub> ).	

Q:	How is excess nitrogen from proteins discarded from the horse's body?	HS 27
A:	Through the urine.	

**Bonus Attached**

Q: Where is water reabsorbed in the digestive tract? HS  
25  
A: Small Colon

**BONUS**

Q: Name two of the paired glands where saliva is secreted from?  
A: Parotid, Submaxillary, Sublingual

Q: Name two of the sugar digesting enzymes. HS  
A: Maltase, Sucrase, Lactase 25

Q: Sugars and starches are both \_\_\_\_\_? HS  
A: Carbohydrates 27

Q: During digestion what are proteins broken down into? HS  
A: Amino Acids 27

Q: What is the horny-grooved inside of the hoof? HS  
A: Laminae 47

## NINTH ROUND

### Individual Questions

Team A Contestant #1

Q: What are the nitrogen compounds that proteins are made from?

HS  
27

A: Amino acids

Team B Contestant #1

Q: What is another term to describe the side-pass or side-step maneuver?

HH  
48

A: Traverse

Team A Contestant #2

Q: What term describes inflammation of the tendon sheaths posterior to the cannon bone?

Horse Jdg. Man.  
14

A: Bowed Tendons

Team B Contestant #2

Q: What type of disease can be spread from one animal to another by direct or indirect contact?

HS  
37

A: Contagious

Team A Contestant #3

Q: When sperm is mixed with fluid from the accessory glands it is referred to as \_\_\_\_\_?

HS  
16

A: Semen

Team B Contestant #3

Q: What is the funnel like membrane which surrounds the ovary?

HS  
16

A: Infundibulum

Team A Contestant #4

Q: What is the term for soft, flabby swelling at the point of the elbow?

A: Shoe Boil or Capped Elbow

Team B Contestant #4

Q: What is the puff swelling which appears on the upper part of the hock and in front of the large tendon? HS  
11

A: Thoroughpin

**Toss-Up Questions**

Q: Where is follicle stimulating hormone produced? HS  
A: The pituitary 16

Q: What is the common term for the uterus? HS  
A: Womb 16

Q: What is a male foal called? HS  
A: Colt 45

**Bonus Attached**

Q: Why are vitamins classified as organic compounds? HS  
A: Because they all contain carbon. 27

**BONUS**

Q: What is the solid mass that forms after an egg has left, and produces a hormone which prevents other follicles from developing? HS  
A: Corpus Luteum 16

Q: What is the diameter of the small colon? HS  
A: Three (3) to four (4) inches. 25

Q: Which is the largest of the female reproductive organs? HS  
A: Uterus 18

Q: What two situations would warrant the use of protein supplements? HS  
A: The roughage being fed is of poor quality or extra protein is required to balance the ration for specific animals. 31

**Bonus Attached**

Q: Name three important energy-rich grains. HS  
A: Corn, Oats, Barley and Milo (Grain Sorghum). 31

**BONUS**

Q: Name the five gaits of the five-gaited horse. HH  
A: Walk, trot, canter, slow gait and rack. 46

Q: What is the length of the small colon? HS  
A: Ten to twelve feet. 25

Q: How long does diestrus usually last? HS  
A: Ten (10) to eighteen (18) days. 19

Q: In general, what happens to twin embryos? HS  
A: They are aborted premature. 19

**Bonus Attached**

Q: In legumes, the calcium level is about \_\_\_\_\_ times higher than the phosphorus level. HS  
A: Six 30

**BONUS**

Q: Name the eight maneuvers in a reining pattern. Hrs Jdg. Ldr.Gd  
A: Circles, rundowns, lead changes, stops, spins, rollbacks, back-up, hesitation. 150

Q: A horse is born with a certain amount of intelligence and can be developed by what two things? HS  
A: Training and good habits. 5

Q: What hormone is produced by the mature stallions testicle? HS  
A: Testosterone 17

Q: Good quality silage can replace up to how much of the hay or pasture allowance? HS  
A: One-half. 30

Q:	What is the most important factor which influences the nutrient composition of grasses and legumes?	HS 29
A:	Stage of maturity.	

<b>Bonus Attached</b>		
Q:	In hay, where are most of the nutrients carried -- the leaf or the stem?	HS 30
A:	Leaf	
<b>BONUS</b>		
Q:	Name the three principal estrogenic hormones.	
A:	Estradiol, Estrone and Estriol	

Q:	Which is higher in protein -- corn or oats?	HS
A:	Oats	31

Q:	A successful pregnancy ends at _____?	HS
A:	Birth or parturition.	19

Q:	Does the pituitary gland secrete prolactin or progesterone?	HS 16
A:	Prolactin	

## TENTH ROUND

### Individual Questions

Team A Contestant #1

Q: From what country did the Hackney originate? HH  
4

A: England

Team B Contestant #1

Q: In what country did the Morgan originate? HH

A: United States 4

Team A Contestant #2

Q: Three pounds of silage is the equivalent to how much hay? HS  
31

A: One pound.

Team B Contestant #2

Q: How much digestible protein is found in molasses? HS  
31

A: None

Team A Contestant #3

Q: What is the narrow passage between the vagina and uterus? HS  
16

A: Cervix

Team B Contestant #3

Q: What is the bubble-like structure on the ovary which contains the egg? HS  
16

A: Follicle

Team A Contestant #4

Q: Is a shoe-boil a blemish or an unsoundness? HS  
10

A: Blemish

Team B Contestant #4

Q: Is contracted heel a blemish or an unsoundness? HS  
10

A: Blemish

## Toss-Up Questions

Q:	What is an ergot?	HH
A:	The horny growth behind the fetlock joint.	46

### Bonus Attached

Q:	What is a bog spavin and where is it found?	HS
A:	It is a meaty, soft swelling occurring on the inner front part of the hock.	11

### BONUS

Q:	What is secreted by the hypertrophied cells of the corpus luteum?	HS
A:	Progesterone	16

Q:	When referring to teeth, what are corners?	HS
A:	The incisors located next to the interdental space.	14

Q:	Name the five parts of the rail class.	Hrs Jdg. Ldr. Gd
A:	Walk, trot (jog), lope, reverse and backup.	108

Q:	True horsemanship is the ____ and ____ of riding.	HH
A:	Art , Science	17

Q:	Name three common command aids.	HH
A:	Voice, hands, legs and weight.	20

Q:	What is the sac-like pouch that suspends the testicles outside the male animal?	HS
A:	Scrotum	16

### Bonus Attached

Q:	At what age does the Galvayne's Groove first appear?
A:	Nine to ten years.

### BONUS

Q:	Name two things that bacteria in the colon and cecum are responsible for doing.
A:	1. Digesting Cellulose    2. Synthesizing B-Vitamins 3. Synthesizing Amino Acids

Q:	Describe the condition known as stringhalt.	HS
A:	Nervous disorder characterized by excessive jerking of the hind leg.	11

Q:	Who uses a pritchel?	The Horse
A:	Farrier or Horseshoer	727

<b>Bonus Attached</b>		
Q:	What is a stirrup cover called?	HH
A:	Tapadera	48
<b>BONUS</b>		
Q:	In theory how did the third evolutionary stage of the horse escape to Asia?	HS
A:	By way of what may have been a land bridge in the Bering Strait area between Alaska and Siberia	2

Q:	Name the largest bone in the gaskin area.	Dictionary
A:	Tibia	

Q:	In the stakes race how far apart are the poles?	4-H Show Rules
A:	Eighty feet.	12

Q:	Which hormone stimulates milk secretion in the nursing mare?	HS
A:	Prolactin	16

<b>Bonus Attached</b>		
Q:	All carbohydrates contain what three elements?	HS
A:	Carbon, hydrogen and oxygen.	26
<b>BONUS</b>		
Q:	What does the acronym ELISA stand for?	Dictionary
A:	Enzyme Linked Immunosorbent Assay	27

Q:	When referring to teeth, what are the laterals?	HS
A:	The second set of incisors located between the central and corner incisors.	15

Q:	What is proper name for the arm bone?	Horse Jdg. Man.
A:	Humerus	6

Q:	What is another term for a bone spavin?	HS
A:	Jack Spavin	11

Q:	What comes from the pituitary and regulates the corpus luteum in the female and testosterone secretion in the male?	HS 16
A:	Luteinizing Hormone	

Q:	What term describes the period when a tooth breaks through the gum?	
A:	Eruption	