

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Where in the digestive tract are amino acids synthesized?	Large intestine.	HHH 710
What unsoundness is most noticeable when backing the horse?	Stringhalt.	Ensminger, 530
Describe the ideal angles of the horse's front feet and hind feet.	Front feet: 45 - 50 degrees. Rear feet: 50 - 60 degrees.	Beeman, 8
An excessive reaction of the skin to sunlight is called what?	Photosensitivity.	Veterinary Medicine, 591
What term is used to describe a hoof wall angle of 65 degrees or more?	Club foot.	Curtis, 45
The American Paint Horse Association is devoted strictly to stock horses and bases its registry on the blood of what 3 breeds?	Paints, Quarter Horses, and Thoroughbreds.	HBM
What do the letters CF stand for?	Crude Fiber.	Ensminger, 550
The common digital artery supplies blood to what parts of the horse?	Phalanges and foot.	HBM
What is the interdental space?	The gum space between the incisors and the molars.	HBM

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
What color horses are more commonly prone to melanomas?	Gray horses.	Veterinary Medicine, 307
Most of the nutrients are found in what part of the forage plant?	Leaves.	HBM
Excessive granulation tissue rising out of and above the edges of a wound is called what?	Proud flesh.	Ensminger, 527
Explain the functional difference of arteries and veins in the horse's body.	Arteries carry blood away from the heart to the body tissues. Veins carry blood back to the heart from the body tissues.	Evans, Borton et al, 112
Gene pairs that are not identical are called what?	Heterozygous.	Evans, Borton et al, 451
What is colostrum?	A thick milk that contains globulin for temporary immunity, produced by the mare for the foal right after birth.	Ensminger, 516
Name the 3 segments of the small intestine.	Jejunum, Ileum, and Duodenum	Frape, 6
Name the part of the horse's foot that lies above the frog and is responsible for absorbing concussion to the foot.	Digital cushion.	Evans, Borton et al, 696
What is nephritis?	Inflammation of the kidneys.	Veterinary Medicine, 589

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
When is the mare in anestrus?	During the winter or shorter daylight hours.	Ensminger, 186
How is dominance or hierarchy established in a herd of horses.	Aggression.	Evans, Borton et al, 677
What enters the pleural cavity when a horse has a pneumothorax?	Air.	HBM
Name 3 signs of estrus in the mare.	Frequent urination, flexed pelvis, winking, elevated tail, acceptance of the stallion.	HBM
In the skull, what is protected by the orbital cavity?	The eyes.	Evans, Borton et al, 90
What is the largest bone in the horse's head?	Mandible.	evans, Borotr et al, 91
What is cross breeding?	Mating of animals of different breeds.	Ensminger 280
Which amino acid is considered to be the first limiting amino acid?	Lysine.	Frape, 251
Name 3 cranial nerves.	Olfactory, optic, oculomotor, trochlear, trigeminal, abdomens, facial vestibulocochlear, clossopharyngeal, accessory, hypoglossal, vagus.	HBM

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is a daisy-cutter?	A horse that seems to skim the surface of the ground at the trot.	Ensminger 774
What pinto pattern has a dark base colored with white spots?	Overo.	Evans 47
What type of spavin is usually due to arthritis of the lower joints of the hock?	Jack or Bone Spavin.	Evans, Borton et al, 165
Explain the condition known as Exercise Induced Pulmonary Hemorrhage (EIPH).	Bleeding through the nose due to bursting of small blood vessels in the lungs, especially after physical exertion.	HBM
What is the term used to describe a horse that eats dirt because of a mineral deficiency?	Geophagia.	Evans, Borton et al, 303
Abortion is defined as the expulsion of the fetus at how many days gestation?	Prior to 300 days.	Evans, Borton et al, 425
What 2 bones are located in the hoof?	Coffin bone and navicular bone.	Stashak 123
At what age do the permanent insisor teeth erupt?	2.5 years.	HHH 405
What are the 2 bones of the gaskin?	Tibia and fibula.	Stashak

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is a more common name for nematodes?	Roundworms.	Evans, Borton et al, 618
What do normal rings in the hoof indicate?	Changes of season or changes in nutrition.	HBM
What part of the digestive tract is the primary site of digestion of soluble carbohydrates?	Small intestine.	Evans, Borton et al, 192
What is the veterinary term used to describe an inflammation of the endometrium?	Endometriosis.	Merck 872
What is the TPR for a normal adult horse?	Temp: 99.5-101.5 degrees F Resp: 8 - 20 breaths / min. HR: 25 - 40 beats / min.	HHH 410
What year was the ASHA founded?	1917.	HBM
A horse who toes in and is a bit base narrow will travel with what motion fault?	Paddle.	Evans, Borton et al, 151
Name 5 parts of a harness.	Back strap, belly band, breast collar, breeching, hip strap, saddle, tugs, shaft carrier, crupper, girth, neck strap, traces, thimble, check, over check, side check.	HBM
The large pouch between the large and small intestine which is important to cellulose digestion is called what?	Cecum.	Evans, Borton et al, 192

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What name is given to the condition in which the coronary hair of the hindfoot is hit by the toe of the forefoot as it breaks over?	Scalping.	Ensminger, 528
What light horse breed is claimed to be the ancestor of the Mustang?	Galiceno.	Ensminger, 118
What internal parasite would cause a horse to rub its tail?	Pinworms.	Evans, Borton et al, 640
Name 3 of the 10 essential amino acids.	Phenylalanine, Leucine, Lysine, Valine, Tryptophan, Isoleucine, Methionine, Histidine, Arginine, Threonine.	Ensminger, 230
A normal foal weighs what percentage of the mare's body weight?	9 - 10 %.	HHH 950
Name the type of colic resulting from a blockage of the intestinal tract with normal ingesta or with foreign material.	Impaction.	HHH 435
What blood vessel is damaged by Strongylus Vulgaris?	Cranial Mesenteric Artery	Evans, Borton et al, 623
How does a mule shoe differ from a horse shoe?	It is much narrower.	Evans, Borton et al, 734
What is outcrossing?	Mating animals that are the same breed but show no relation for at least 4 generations.	Ensminger, 177

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
What term describes the physical appearance of the horse due to the arrangement of muscle, bone, and other body tissues?	Conformation.	HH 220
What are Conformation Working Horses judged on?	Performance, soundness, and conformation.	HBM
Name the condition simply defined as an inflammation of the laminae of the foot.	Laminitis.	Stashak 183
What is the external part of the ear called?	Auricle.	HBM
Name 2 unsoundnesses of the horse's hocks.	Thoroughpins, bone (jack) spavin, bog spavin, occult spavin capped hock, curb.	Ev, Borton et al 165-166
What is the length of gestation in the mare?	335 to 350 days.	Evans 547
What is intestinal flora?	Bacteria normally present in the intestines.	HBM
What is a feed additive used to increase feed efficiency and weight gain in cattle but is highly toxic to horses?	Rumensin (Monesin Sodium) or Lasalocid (Bovatec)	HBM
The portion of the gross energy in a feedstuff which is not excreted in the feces is known as what?	Digestible energy.	Lewis, 11

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The stay apparatus is a mechanism that enables the horse to do what?	To sleep while standing up, or lock lower legs in extension with no muscular effort.	Stashak, 19
Name the leg marking that extends from the hoof up the knee or hock.	Stocking.	HHH 140
What disease is caused by a Streptococcus equi infection?	Strangles/ Distemper.	HHH 615
During the Miocene epoch, what 2 sets of bones fused to enable the horse to run faster?	Radius and ulna; tibia and fibula.	HBM
Which bone of the horse's foot serves as a pulley for the deep flexor tendon?	Distal sesamoid (navicular bone).	HBM
Proteins are made up of chains of smaller units called what?	Amino Acids.	Lewis, 15
What is ossification?	Cartilage changing to bone.	HBM
Name 3 trace minerals relevant to equine nutrition.	Iodine, zinc, manganese, iron, copper, cobalt, selenium.	Ensminger, 243
What type of jaw movement is necessary for a horse to grind its food?	Lateral (side to side) grinding movement (not up and down).	Evans 93

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
What joint is commonly referred to as the yes-no joint?	Atlas-Axis joint (joint between the first and second vertebrae).	Evans, Borton et al, 96
What is the difference between an ectoparasite and an endoparasite?	Ectoparasite - Attaches to skin and body openings of sores (external parasites). Endoparasites - Live in the internal organs, body cavities and tissues (internal parasite).	Evans, Borton et al, 617
Which is higher in protein - alfalfa hay or corn?	Alfalfa hay.	HIH 790
How much does an aluminum racing plate weigh?	2 to 3 ounces.	HBM
What is negative reinforcement?	The removal of an unpleasant stimulus upon performance of a desired act or behavior. It increases the animal's tendency to repeat the particular good behavior since the negative stimuli is gone when they are good.	Evans, Borton et al, 665
What is the common conformational fault of the rear limbs that puts a strain on the plantar ligament, leading to a curb?	Sickle hock or cow hocks.	Evans, Borton et al, 165
What vitamins are synthesized in the large intestine?	B vitamins.	Evans, Borton et al, 241
Name 3 major legumes.	Alfalfa, Birdsfoot Trefoil, Clover - red, white, or abetra, Lespedeza, Soybeans, etc.	Evans, Borton et al, 275
What is a zygote?	Fertilized egg.	HBM

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Anemia is the primary sign of what mineral deficiency?	Iron.	Evans 233
Without feed, the horse's stomach will empty completely in how many hours?	24 hours.	HBM
Name 4 classes that horses are divided into for the purpose of feed and nutrition management.	Mature, Idle, Working - light, moderate, intense, Growing / foals, Lactating, Pregnant.	HIH 710
What is the name of the roof of the mouth just behind the upper incisors?	Lampas.	Ensminger, 523
True or false. Bursitis is an inflammation of the bursa.	True.	Stashak 284
What are the grooves along either side of the frog on the horse's hoof called?	Sulcus (sulci).	Stashak 5
What drug or type of drug is used to neutralize allergic conditions in the body?	Antihistamine.	Ensminger, 512
Name the structure in the lung where gas exchange actually occurs.	Alveoli.	HIH 810
What is bradycardia?	Slower than normal heartbeat.	Evans, Borton et al, 594

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
Where would you find an osselet?	Fetlock joint.	Ensminger, 525
On which side of the post should the wooden boards be placed when building a horse fence?	On the inside of the paddock.	HIH 350
The oviduct in the mare is analogous to what in the stallion?	Vas deferens.	HBM
What is another name for laryngeal hemiplegia?	Roaring.	HIH 810
The inflammation affecting the fine membrane that lines the chest and covers the lungs is known as what?	Pleurisy / Pleuritis.	Evans, Borton et al, 111
A pulp cavity, in the tooth, which appears when a horse is 8 to 10 years of age is known as what?	Dental star.	HIH
Approximately how many days after fertilization does the ovum migrate to the uterus?	4 to 6 days.	HBM
In herds, mimicking of another horse's actions is called what?	Allelomimetic behavior.	Evans, Borton et al, 676
How long, in feet, is the horse's small intestine?	70 feet.	HIH 710

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Distinguish between an unsoundness and a blemish in horses.	Unsoundness is an abnormal deviation in structure or function that affects the serviceability of the horse. Blemishes include abnormalities that do not affect the serviceability of the horse.	Ensminger 101
List 4 gaits that do not have a stride suspension phase.	Walk, foxtrot, amble, running walk, Paso.	Evans 169
What does the G Locus provide for?	Dominant gray.	Evans, Borton et al, 485
What term is used to describe difficulty in swallowing?	Dysphasia.	Veterinary Medicines 581
What was the small, wild species of horse found in Russia that was completely eliminated in 1870?	Tarpan.	Ensminger, 6
Why are pregnant mares kept separate from non-pregnant mares?	Non-pregnant mares are more likely to kick or tease and possibly cause injury to the pregnant mares.	HBM
On what chromosome does the gene for hemophilia ride?	X chromosome.	Evans, Borton et al, 511
On average, how many days longer are colts carried than fillies?	2 to 7 days.	Evans, Borton et al, 343
What is an osteoblast?	Bone forming cell.	HBM

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What time of year, in U.S. seasons, is a horse's true breeding season if the horse is native to South America?	Mid fall to mid winter.	HBM
Where on the harness will you find the breeching?	It is the padded strap which fits across the buttock of the horse.	HBM
What is the purpose of the breeching of a harness?	It will hold back a load when going down a hill.	HBM
What is a male horse with one or both testicles abnormally positioned above the scrotum called?	Cryptorchid (or ridgeling).	Ensminger, 517
In the freeze marking system, what number would two vertical bars, then two horizontal bars represent?	One and zero respectively.	Ensminger, 455
What is the trade name for the diuretic drug furosemide?	Lasix.	HBM
What term is used to describe a disease of a muscle?	Myopathy.	Evans, Borton et al, 104
What is the cavity in which an egg develops in the ovary?	Follicle.	Ensminger, 519
What does NFE stand for?	Nitrogen Free Extract.	HBM

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<i>Question</i>	<i>Answer</i>	<i>Source</i>
How long is the spermatogenic cycle in a stallion?	49 days (7 weeks).	Evans, Borton et al, 363
What is an adhesion?	The sticking together of two structures that normally move freely of each other.	HBM
The protein requirements are the greatest and most critical during what 3 phases of a horse's life?	Growth, reproduction, and lactation.	Lewis, 17-18
What condition can be caused from a deficiency or improper ratios of either calcium, phosphorous, or vitamin D especially in foals?	Rickets.	Ensminger 294
What is the toxin that blister beetles contain?	Cantharidin.	Ensminger, 330
What is the substance that lubricates a joint?	Synovial fluid.	Ensminger, 531
What does the drug Lasix treat in racehorses?	Exercise-induced pulmonary hemorrhaging (bleeders).	HBM
Give another name for blood poisoning.	Septicemia.	Evans, Borton et al, 595
Define goiter.	Enlarged thyroid gland in the neck, just behind the angle of the jaw, resulting from the inability to make sufficient thyroxin. Usually due to an iodine deficiency.	Ensminger, 292-293

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What term identifies a highly measured, collected, elevated, and cadenced trot on the spot?	Piaffe.	Ensminger, 526
What is the fecal material called that is accumulated during fetal development prior to birth?	Meconium.	Evans, Borton et al, 428
Name the regions of the spinal column and the number of vertebrae in each.	Cervical - 7, Thoracic - 18, Lumbar - 6, Sacral - 5, Coccygeal - 18.	Evans, Borton et al, 96
What is a poultice?	A moist, mealy substance applied to a wound or inflamed part of the body - usually on the lower leg.	Ensminger, 526
What do the letters ECG stand for?	Electrocardiogram.	Evans, Borton et al, 116
Equine swimming pools have become popular for conditioning horses. Name two ways in which swimming helps horses into condition.	Increases stamina, increases wind, increases muscle tone, prevents trauma to feet/legs.	HBM
What is the common name for Equine Infectious Anemia?	Swamp fever.	Ensminger, 518
Name the five major draft breeds imported into the United States and the place of origin of each.	Belgian - Flanders, Belgium; Clydesdale - River Clyde, Scotland; Percheron - LaPerch, France; Shire - Lincolnshire, England; Suffolk - Suffolk, England.	Ensminger, 155-159
What is the purpose of injecting mares with Human Chorionic Gonadotropin (HCG)?	Stimulates follicles to ovulate.	Ensminger, 189

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Over which section of the vertebral column does most of the saddle sit?	Thoracic.	Evans, Borton et al, 91
What is the purpose of neurectomy?	Eliminate pain reception from a body part.	Evans, Borton et al, 163
What is the sum of the digestible organic nutrients - protein, fiber, nitrogen free extract, and fat?	TDN (Total Digestible Nutrients)	Evans, Borton et al, 209
Name 4 deviations in the flight of the foot.	Padding, winging, rolling, rope walking, trappy, pounding, dwelling, cross-firing, forging, interfering, lameness, pointing, scalping, speedy cutting, stringhalt.	Ensminger, 76
What is a myopathy?	A term used to describe disease of a muscle.	Veterinary Medicine, 589
What is Exophthalmus?	Protruding eyeball.	HBM
What is the problem with feedin a ration with poor protein quality?	Insufficient quantities of the essential Amino Acids are supplied by the protein in the ration.	HBM
What is ingestive behavior?	Taking food and water into the digestive system. (The act of eating)	Ensminger, 375
What is a condition in which cerebrospinal fluid accumulates, causing the head to enlarge, and the central nervous system to be abnormal?	Hydrocephalus (water head).	Evans, Borton et al, 517

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What are the two major actions of luteinizing hormone?	Causes ovulation and initiation of the formation of the corpus luteum.	Evans, Borton et al, 127
What is the name of the long period between breeding seasons when the ovaries are inactive?	Anestrous period.	Lose, 186-187
What is the name of a condition where there is an unusually high level of fat in the blood?	Hyperlipemia.	Evans, Borton et al, 306
What is Torticollis?	Condition characterized by a twisted or distorted neck - also known as dropped neck or bent neck.	HBM
An extra horse used with English stagecoaches, ridden behind the coach in ordinary going, but hitched before the team for added draft when approaching steep hills is called what?	Cockhorse.	HBM
What does DMSO stand for?	Dimethyl Sulfoxide.	HBM
A hygroma of the carpal joint is known as what?	Capped knee.	HBM
What is the scientific name for sleeping sickness?	Encephalomyelitis.	Ensminger, 518
A newborn foal suffering from isoerythrolysis must not receive what from the dam?	Collostrum: the mare and foal have different blood types and the antibodies in the colostrum will attack the foals red blood cells.	Lose, 141-142

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Why is hard to find wild horses in their pure form?	They interbreed freely with domestic races.	HBM
Describe the condition "Stifled".	The patella locks and causes the leg to remain in the extended position. The stifle and hock are unable to flex.	Evans, Borton et al, 164
What is the common name for encephalomalacia?	Moldy corn poisoning.	HBM
What is Exostosis?	A benign bony growth projecting outward from the surface of a bone.	Evans, Borton et al, 161
What is the major bone between the stifle and the hock?	Tibia	Evans, Borton et al, 91
What are the three types of Equine Encephalomyelitis?	Venezuelan (VEE), Eastern (EEE), and Western (WEE).	Evans, Borton et al, 599
What is another name for equine periodic ophthalmia?	Moon blindness.	Evans, Borton et al, 521
What is the name of the hormone secreted by the mare's pituitary gland to stimulate labor contractions during foaling and release of milk during nursing?	Oxytocin.	Evans, Borton et al, 340
What is the term for the concentration of blood cells?	Packed cell volume or PCV.	Ensminger, 525

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The name commonly used to describe the inflammation and enlargement of the growth plates of the long bones in rapidly growing horses is called what?	Epiphysitis.	Evans, Borton et all, 265
What is it called when a horse has low pasterns and shallow heels?	Coon footed.	Ensminger, 516
What is the horseshoe called if it has an outwardly curved bar connecting its heels that provides support to the heel of the foot and lift to the fetlock?	An egg - bar shoe.	HBM
What part of the lungs are damaged when a horse has pulmonary emphysema?	Alveoli.	HBM
Name three layers of the heart.	Pericardium, myocardium, and endocardium.	HBM
What is the common name for parascaris equorum?	Ascarids.	Evans, Borton et all, 630
What is the zoological classification order of the horse?	Perissodactyla (odd-toed, non-ruminating hoofed).	HBM
The place where the sperm are stored and where they mature or ripen is called what?	Epididymis.	Evans, Borton et all, 358
In a six horse hitch, give the correct name for the front, middle, and last pair of horses.	Leaders, swing team, and wheelers.	HBM

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Define aerobic.	Dependent on oxygen for life and/or activity.	Ensminger, 511
What is the class of small white blood cells produced in the lymph nodes that are important in fighting infection?	Lymphocytes.	Evans, Borton et al, 429
What are known as the "filters" in the circulatory system?	Lymph nodes.	Evans, Borton et al, 113
What four parts make up the cardiovascular system?	Heart, arteries, capillaries, veins.	Evans, Borton et al, 111
What is the name of the drink made by the Bashkir from fermented milk of the American Bashkir Curly?	Koumiss.	HBM
Where on the horse are distal spots found?	Coronet band.	Sponenberg, 44
What is hygroma?	Any fluid filled swelling over the front surface of the knee, also called "capped knee".	Stashak, 284
Where is a large supply of the horse's red blood cells stored?	In the spleen.	Evans, Borton et al, 117
What is the name of the governing body through which all international competitions are run, and whose rules are accepted by competitors in the UK and other countries?	Federation Equestrian International.	Gardiner, 142

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What is meant by the term dystocia?	Any foaling problems which prevents the delivery of the foal by the mare's efforts alone.	Evans, Borton et al, 423
What term is used for irritation of unpigmented skin due to sunlight?	Photosensitization.	Veterinary Medicine, 304
What is the intricate movement called which is performed by the Lipizzan horse at the Spanish Riding School in Vienna when the horse leaps into the air, and while in the air, kicks out with the hind feet?	Capriole.	Ensminger, 515
What term describes a horse that throws its front feet violently forward at the trot with little flexion, landing 12 inches above the ground?	Bean shooter.	Ensminger, 512
Name three types of horse hitches.	Random, Troika, Unicorn, 4 horse, 6 horse, pair, tandem.	HBM
What are the 4 major structures of the foot?	Bones, elastic structure, sensitive structure (corium or pododerm), and horny wall.	Ensminger, 29
What part of the brain functions as the thermoregulator in the horse?	The hypothalamus.	HBM
What does the suffix "oma" refer to?	Tumor or Neoplasm.	HBM
What 4 electrolytes are lost in sweat and urine during physical exertion?	Sodium, Potassium, Chloride, and Calcium.	Lewis, 247

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A mare that aspirates air into the vagina due to a tipped vulva, and which can be correct by a Caslick's operation, is said to be what?	A Wind sucker.	Veterinary Medicine, 36
Give the more common name for Olecranon bursitis.	Shoeboil or capped elbow.	Veterinary Medicine, 253
Inadequate amounts of iron result in what nutritional caused problem?	Anemia.	Veterinary Medicine, 335
What is a stargazer?	A horse that holds its head high in an awkward position.	Ensminger, 529
Peak lactation in a nursing mare usually occurs when?	8 - 12 weeks after parturition.	HBM
What is another name for nosebleed?	Epistaxis.	Verterinary Medici;ne, 58
What is a partial or complete esophageal obstruction called?	Choke.	Veterinary Medicine, 578
What is a hereditary defect in the clotting mechanism of the blood called?	Hemophilia.	Veterinary Medicine, 584
Name the inflammation at the front of the cannonbone associated with excessive concussion.	Bucked shins.	Ensminger, 514

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Name 5 of the 10 essential amino acids.	Phenylalanine, Leucine, Lysine, Valine, Threonine, Tryptophan, Isoleucine, Methionine, Histidine, and Arginine.	Ensminger, 230
What is the genus and species of the true zebra?	Equus zebra.	HBM
What is anhydrosis?	Decreased ability to sweat.	Lewis, 261
Where would you find an osselet?	Fetlock joint.	Ensminger, 525
What is meant by the term "Scratches"?	Dermatitis of the back of the fetlock and pastern - also called grease heel.	Ensminger, 520
How many chukkers are there in a polo match?	Six.	HBM
What is the term for the horseshoe heel which is extended 1/4 inch or more beyond the heel of the horse's foot and is usually used for corrective purposes on the hind feet?	Trailer.	Evans, Borton et al, 749
What is the function of erythrocytes?	Transport oxygen in the blood.	Evans 117
In which organ would you find the following: Cortex, Medulla, Loop of Henle, and Glomerulus?	Kidneys.	Frandsen, 315

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What are erythrocytes?	Red blood cells	Evans 117
What is a farm chunk?	A small draft horse used around the farm, stands 15 -16 hands, and weighs 1300 - 1400 pounds.	HBM
Peritonitis affects which areas of the horse?	Membrane lining of abdominal walls and the covering of abdominal organs.	Verterinary Medicine, 591
What are the five signs of inflammation?	Redness, swelling, heat, pain.	Veterinary Medicine 585
What is a bar shoe?	Any horseshoe which is not interrupted by an opening between the heels.	Curtis, 169
The natural breeding season extends between which months of the year if the horse is in the northern hemisphere?	Begins in March and extends to late July or August.	HBM
What state did the American White Horse originate in?	Nebraska.	Evans, Borton et all, 53
Which word is out of place: epididymis, urethra, oviduct, or seminal vesicle?	Oviduct.	Evans, Borton et all, 355
What is a quittor?	A deep-seated running sore at the coronet or hoof head.	Ensminger, 527

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What is the name of the piece of harness that fits under the tail?	Crupper.	Ensminger, 516
Dark spots on a white coronet band are known as what?	Distal spots.	Evans, Borton et al, 83
What insect contains cantharidin - an irritant which produces severe inflammation and blisters.	Blister Beetles.	Ensminger, 330
Name the phases of a follicle as it develops during the breeding season.	Primordial, growth, and graafian.	Evans, Borton et al, 318
What are the simple inorganic compounds that dissolve in water and are essential for many of the chemical processes in the body?	Electrolytes.	Ensminger, 518
What does the urinary system consist of?	Kidneys, ureters, bladder, and urethra.	Evans, Borton et al, 119
Define Four-beating.	When a horse canters or lopes with his front legs but trots with his hind legs.	HBM
What is a hematoma?	Abnormal collection of blood in body tissue due to a blood vessel injury.	Veterinary Medicine, 584
Name the female offspring of a stallion mated to a Jennet.	Hinny.	Evans, Borton et al, 76

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What does the term "Bishoping" refer to?	Artificially altering the teeth of a horse to make them seem younger or to change the appearance of the teeth to change their age.	Ensminger, 513
Describe the condition called gonitis.	An inflammation of the stifle joint which may be acute or chronic.	Stashak, 337
What was the original purpose of the Capriole, levade and many other High School movements taught to horses today?	War or combat maneuvers.	Ensminger, 515
A depression in the shoulder due to atrophied muscles is known as what?	Sweeney	Ensminger, 531
Which hormone causes the formation of the corpus luteum?	Luteinizing hormone.	Ensminger, 523
Which part of a cell regulates the movement and exchange of food between the cells and the horse's body fluids?	Cell membrane.	Frandsen, 46
What is the name of the hormone secreted by the pituitary gland which stimulates the adrenals to secrete corticosteroids?	ACTH (Adrenocorticotrophic hormone).	Evans, Borton et al, 126
What is the average weight of a horse's lungs?	13 pounds or 6 kilograms.	HBM
The horse cannot eructate. What does this mean?	The horse cannot vomit/ regurgitate.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the hormone produced by the pituitary gland that results in the maturation of the egg?	FSH (Follicle Stimulating Hormone).	Evans, Borton et al, 126
A racehorse is suspected of being drugged. Name two samples that might be taken.	Saliva, blood, urine.	Ensminger, 517
What endocrine gland in the neck regulates the basic metabolism?	Thyroid gland.	Evans, Borton et al, 127
What is the hormone produced by the corpus luteum?	Progesterone.	Evans, Borton et al, 127
What system of the horse does neonatal isoerythrolysis affect?	Circulatory.	Evans, Borton et al, 429
What hormone can be used to cause short estrus cycles or abortion?	Prostaglandin.	Evans, Borton et al, 127
What important proteins does colostrum contain that later milk does not?	Immunoglobulin (antibodies).	Evans, Borton et al, 427
Where does formation of red blood cells normally occur?	In the bone marrow.	Frandsen, 189
What is the capacity of the small intestine of the horse?	12 gallons.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Blood is basically made up of blood cells and what?	Plasma.	Frandsen, 194
Where is prolactin produced in the horse's body?	Anterior pituitary gland.	Evans, Borton et al, 127
How long does it take the hoof to grow out from the coronet to ground at the toe?	9 - 12 months.	HBM
Name the three principal estrogenic hormones.	Estradiol, estrogen, estriol.	HBM
What is the name of the pigment in a horse's skin?	Melanin.	Evans, Borton et al, 129
What is an atresia coli?	Failure to develop a portion of the colon.	Veterinary Medicine, 201
Where are erythrocytes stored that are not in active circulation in the blood?	Spleen.	Evans, Borton et al, 234
Growth of the hoof takes place where?	Coronary corium (coronary band, sensitive coronary band, or coronet).	Ensminger, 29
What organ of the horse secretes gastric juices?	Stomach.	Evans, Borton et al, 191

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What gland is located at the base of the brain and secretes hormones which regulates certain body functions?	Pituitary gland.	Evans, Borton et al, 127
A drug that causes contraction of tissues to promote healing, such as tannic acid, zinc oxide or sulfate, is called what?	Astringent.	Veterinary Medicine, 446
The basic metabolic rate (BMR) is governed to a large extent by the product of the thyroid gland. Name this product.	Thyroxin.	Evans, Borton et al, 127
The respiratory system is said to have two main functions. What are they?	Supplying the blood with oxygen and removing carbon dioxide from the blood.	Evans, Borton et al, 104
What is the life expectancy for leukocytes?	Ten days.	HBM
What is the capacity of the stomach of an average mature horse?	8 - 16 quarts.	HBM
The horse has how many pairs of large salivary glands?	Three pairs.	Frandsen, 276
What hormone enhances glucose uptake by cells?	Insulin.	Evans, Borton et al, 127
Name one hormone secreted by the pancreas which controls glucose levels in the body.	Insulin or glucagon.	Evans, Borton et al, 127

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
How does a hormone get to a distant part of the body?	Through the bloodstream or by the circulatory system.	Evans, Borton et al, 126
The eyes of the horse can focus clearly within how many feet?	Four.	
What type of relationship is there between the bacteria of the cecum and colon, and the horse which suggests a mutual benefit?	Symbiotic.	HBM
What does the hormone prolactin do in the mare?	Initiates lactation or stimulates the secretion of milk.	Evans, Borton et al, 127
What is the life expectancy for red blood cells?	145 days (130 - 160).	HBM
In order to successfully transport oxygen, hemoglobin must combine with what mineral?	Iron.	Lewis, 53
At the termination of the pregnancy, what hormone stimulates uterine contractions and lactation in the mare?	Oxytocin.	Evans, Borton et al, 127
Which has more intra-tubular pressure, veins or arteries?	Arteries.	Evans, Borton et al, 112
What do we call the hormone that stimulates the development and maintenance of the feminine sexual characteristics?	Estrogen.	Evans, Borton et al, 127

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What gland is affected by goiter?	Thyroid gland.	Evans, Borton et al, 233
Which steroid, hormone is produced naturally in the stallion in sufficient quantities to affect the gonads?	Testosterone.	Frandsen, 422
What part of the hoof produces the wax-like substance that covers the outer surface of the wall and seals it from excess drying?	Periople.	Evans 694
What is the major storage form of glucose and where is the majority of this compound found in a normal, healthy horse?	Glycogen; Muscle.	Frape, 270
Name the three membranes of the placenta.	Amnion, allantois, chorion.	Evans, Borton et al, 341
What is the name of the hard disc-like structure found in the placental fluids after parturition?	Hippomane.	Evans, Borton et al, 342
Through what structure does the egg pass going from the ovary to the uterus?	Oviduct (or fallopian tubes).	Evans 319
During pregnancy, what hormone can be detected in the mare's urine?	Estrogen.	HBM
What is the name of the transparent sac which directly envelopes the unborn fetus?	Amnion.	Evans, Borton et al, 340

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the name of the most mature follicle?	Graffian Follicle.	Evans, Borton et al, 318
The infundibulum narrows into what tube?	Oviduct (or fallopian tube).	Evans, Borton et al, 319
When does the placenta fully attach to the wall of the uterus?	Approximately 21 weeks after fertilization. (150 days)	Evans, Borton et al, 340
The cervix connects what two reproductive organs?	Uterus and vagina.	Evans, Borton et al, 321
Sperm mixed with fluid from the accessory glands is called what?	Semen.	Ensminger 528
What is a zygote?	A fertilized egg.	Breeding Management, 684
The difficult birth is called what?	Dystocia.	Breeding Management, 670
How soon after parturition should a 1000 lb. mare pass her placenta and how much should it weigh?	Within three hours; 10 - 13 lbs.	Breeding Manag, 454-455
Between what two structures is the umbilical cord attached?	Placenta and fetus.	Breeding Management, 683

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Colostrum is especially important to the foal because it contains what two things?	Laxatives and antibodies.	Breeding Management, 668
The horse has what type of placentation - a) zonary, b) cotyledonary, or c) diffuse?	C) Diffuse.	Breeding Management, 375
Which foal at birth has the greatest probability of being larger: one sired by a Welsh Pony out of a Quarter Horse mare, or one sired by a Quarter Horse stallion out of a Welsh mare?	Sired by a Welsh pony out of a Quarter Horse mare.	HBM
The infundibulum is the funnel-like membrane that surrounds the mare's ovary. What is its purpose?	It catches the egg when it is released by the ovary.	Ensminger, 182
When a foal is first expelled from the mare, what is the first thing you should look for?	That the foal is breathing (spontaneous breathing).	Ensminger, 200
What 3 methods can be used to determine if a mare is pregnant?	Ultrasound, rectal palpation, failure to come into heat, and blood tests.	Ensminger, 194-195
What is the endometrium?	Lining of the uterus.	Breeding Management, 670
What happens to the cervix of the mare during diestrus and in pregnancy?	It seals up so it is impermeable to fluids, debris and bacteria.	Evans, Borton et al, 321
Male sperm generally remains viable in the female reproductive tract for how many hours?	24 - 48 hours.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What name is given to the process in which the follicle ruptures?	Ovulation.	Breeding Management, 679
Name the four causes of disqualification of a saddlebronc rider.	Being bucked off, changing hands on rein, losing a stirrup, touching with free hand.	HBM
Name the succession of letters around a small dressage arena starting at A and looking left to right.	(A), K, E, H, C, M, B, F.	HBM
What are 3 of the five lateral movements in dressage as FEI defines?	Leg yielding, shoulder in, traverse, renvers, half-pass.	HBM
If an in-and-out originally has a distance of 24', how far should you move the second jump to allow the horse to take another stride?	9 feet, 35 total feet for two non-jumping strides.	German Nat'l Eq. Fed. 128
What determines the rating for an AHSA show?	The number of classes and the prize money per division.	HBM
According to the AHSA, in a reining class, which figure 8 is worked in a slow lope?	The small figure 8.	HBM
Recognized AHSA judges are grouped into three classifications. Name them.	Registered (senior), Recorded (junior), Guest.	HBM
What does the term "in hand" mean?	The term refers to a horse being shown at halter in a breeding or halter class; the horse may be shown in either a halter or bridle.	Ensminger, 448

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What are the dimensions, in meters, of a small dressage ring?	20 meters X 40 meters.	HBM
According to the AHSA, how many feet long is the perimeter of the equilateral triangle used in table 1 of the Cloverleaf Barrel Competition?	75 feet.	HBM
What is the name of the jump which contains first a wall and then a pond with water?	Liverpool.	HBM
According to the AHSA, where should the bight of the rein be in saddle seat equitation?	On the off side (right).	HBM
How many different ways is it possible to place a class of four horses?	24 (4!)	HBM
According to the AHSA American Saddlebred Division, what are the 5 gaits required in a 5-gaited pleasure class?	Flat walk, square trot, slow gait, canter, rack.	HBM
According to the AHSA, in hunt seat equitation, which item of tack is optional in classes requiring both jumping and hacking?	Martingale.	HBM
In the AHSA Western division, what percentage of the judging is based on conformation in a pleasure class?	30 %.	HBM
In which equitation division does a fall of horse and/or rider not necessarily eliminate that rider?	Stock Seat and Saddle Seat.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
According to the AHSA, what are the four qualifying gaits required in a Western Pleasure class for Arabians?	Walk, jog trot, lope, hand gallop.	HBM
According to the AHSA, in Saddle Seat Equitation, how should the reins be picked up?	All at one time.	HBM
According to the AHSA, what is considered the minimum height for a horse?	Over 14.2 hands unless otherwise specified in breed rules.	HBM
According to the AHSA, what three things are required on the bridle in the Arabian Pleasure Driving class?	Blinkers, overcheck, snaffle bit.	HBM
According to the AHSA, in a Palomino Western Pleasure class, what percentage of the horse's performance counts for performance and manners?	75%.	HBM
According to the AHSA, how much time is allowed to replace a shoe on a horse that has cast one during the class?	7 minutes after the farrier enters the ring.	HBM
In steer wrestling, what is the penalty for a hazer breaking the barrier?	A hazer has no barrier, therefore there is no penalty.	HBM
How many poles are in a "Stakes Race" pattern?	Six.	HBM
According to the AHSA Morgan Horse division, what is the percentage allowed for conformation in English Pleasure classes?	40 %.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
According to the AHSA pattern in the Pinto Western Riding class, how many lead changes are there?	Eight lead changes.	HBM
According to the AHSA Hunt division, when an obstacle requires two or more fences, how are the faults committed at each obstacle considered?	Separately, a fault for each obstacle.	HBM
What are fine harness horses judged on?	Personality, manners, and brilliance of performance.	HBM
According to the AHSA, in a Paint Reining class, what is the penalty for not following the recommended reining pattern?	Disqualification.	HBM
According to the AHSA, in Hunter Over Fences classes, what is the minimum number of fences required for A-B-C Section ratings?	8 fences.	HBM
What piece of equipment is necessary in a Stock Seat equitation class if a romal is used?	Hobbles.	HBM
What is the name of the solid triangular shape jump found in many hunt courses?	Coop.	HBM
According to the AHSA, in the Appaloosa Western Pleasure class, what percent of the horse's performance counts for performance and manners?	60 %.	HBM
You have just finished your reining pattern, you ride over to the judge. Why?	So the judge can check your curb strap and bit.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
In setting the tail of a gaited or walking horse, is the tail broken?	No.	HBM
What is meant by the term "ride on the buckle"?	Drop reins and ride with loose reins, by holding on near the buckle.	HBM
What is the difference between barrel racing and cloverleaf patterns?	Barrels: Either direction to start; Cloverleaf: Start only to the right.	HBM
At an outdoor event, what is the suggested distance for a one-stride in-and-out in an AHSA hunter division show?	26 - 28 feet.	HBM
In order to participate in approved POA shows and sales, the pony must have Appaloosa coloring visible up to how many feet?	40 feet (35 -45 is acceptable).	HBM
Each PRCA rodeo has five standard events. Name them.	Bareback Bronc Riding, Saddle Bronc Riding, Bull Riding, Calf Roping, and Steer Wrestling.	HBM
In Saddle Seat riding, on which side of the horse would the rider hold his crop or whip?	In the inside hand, forcing him to change hands when changing ring direction.	HBM
What should the rider do if his horse is four-beating at the canter?	Send the horse forward or speed up.	HBM
Name four types of rewards that can be used in training horses.	Food; praising voice; stroking with hand; removal of pressure, pain or discomfort; discontinuing work; letting horse relax.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Why should you NOT punish a young horse for shying at a strange object?	The horse will associate the punishment with the object and remain afraid of it.	HBM
Braces, copper roller, and a height port are all part of what bit?	Spade.	Ensminger, 418
Which type of bridle must be used in a Saddle Seat equitation class?	Full bridle.	Ensminger, 419
Which term describes the leather parts of a harness which run from the collar to the single tree?	Traces.	HBM
How many sides does leather have and what are they called?	Two; flesh side and grain side.	HBM
Which martingale does not affect the head position of the horse?	Irish.	HBM
What is the difference between heavy harness horses and light harness horses?	The type and weight of the harness.	Ensminger, 424-425
What part of the harness lies about eight inches above the gaskin, encircling the horses' rear quarters and is responsible for holding back the load travelling down-hill?	Breeching.	HBM
How does using a dropped noseband alter the action of a snaffle bit?	It transfers some of the bit action onto the nasal bones, and prevents the horses from opening the mouth and locking the jaw. Encourages horse to unlock jaw and flex at the poll.	German Nat. Eq. Fed. 16

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Contrast oxbow and standard western stirrups.	Oxbow: narrow stirrups used on the arch of the foot, used on bucking and cutting saddles. Equitation or standard: Wider and are usually used on the ball of the foot.	HBM
Who introduced the ladies sidesaddle into the horse world?	Anne of Bohemia.	HBM
What is the training equipment used to set the head of the horse?	Biting harness, side reins, dumb jockey.	HBM
What material are you speaking of when you say "rough out"?	Leather.	HBM
What type of single cinch rig encircles the horse midway between the pommel and the cantle of the saddle?	Center fire rig.	HBM
Which part of the western saddle is found beneath the fenders?	Stirrup straps.	Ensminger, 421
What is the purpose of the dropped noseband?	Keeps the mouth closed and keeps the horse from locking its jaw.	German Nat. Eq. Fed. 16
What are the stirrups on a racing saddle made of and why?	Aluminum, because of its light weight.	HBM
On what type of horse is a liverpool bit usually found?	Harness horse.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is a sawbuck saddle used for?	Horsepacking.	HBM
Which piece of leather overlaps the top of the fender or sudadero of a stock seat saddle?	Front or seat jockey.	Ensminger, 421
What is the missing part, headstall, mecate, fedora, and what?	Bosal.	HBM
What is a quarter boot and what is its purpose?	A flexible boot attached over the heel of the front foot which protects the heel from the hind toe.	Ensminger, 425
If you wanted to put hobbles on your horse to prevent it from roaming when turned out to graze, where should you put them?	Around the pasterns or fetlocks of the front legs.	Ensminger, 521
Which is longer, a western cinch or an English girth.	English girth is longer since the billets are higher up.	HBM
What is a liverpool bit and what is it used for?	It has a straight bar mouthpiece and shanks with holes for various rein positions for severity of bit; used on heavy harness horses or plowing horses.	HBM
In riding, what does the term bight refer to?	The end of the reins past the hands.	Ensminger, 436
What is the formal name for chaps?	Chaparreras.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name two types of martingales and describe their purposes.	Standing: prevents elevation of the head beyond a certain level without cramping the horse. Running: Allows more movement to the horse's head than the standing martingale.	Ensminger, 427
The breadth and thickness of the metal in the horse shoe is called what?	Web.	HBM
A bitless bridle that is often used in breaking young horses especially polo and cow ponies is a what?	Bosal hackamore.	Ensminger, 418
What are Dartnell reins?	Reins made of soft cotton.	HBM
A cavesson that rests below the bit on a snaffle bridle is known as what kind of cavesson?	Dropped noseband.	German Nat. Eq. Fed. 16
What do you call the ring of rope, rawhide, or metal on a lasso, through which rope slides?	Honda.	Ensminger, 521
A short piece of leather with a ring on either end through which the reins pass is called what?	Irish martingale.	HBM
Which bit slides up a round cheek piece of the headstall, when the reins are pulled?	Gag bit.	HBM
Name four parts of the horse's head on which the curb bit and bridle act on.	Poll, bars, tongue, chin, corner of lip, palate, side of lower jaw.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
The site of action of a jointed snaffle bit is primarily on two places, depending on the action of the rider's hands. What are they?	Outside of the bars and on the corners of the lips/mouth and tongue.	HBM
What are the four functions of saddle pads or blankets?	Absorb sweat, protect horse's back and cushion weight, keep saddle clean, can compensate for poor fitting saddle.	HBM
In horses, what does a unicorn refer to?	A type of hitch where two horses are hitched as a pair with a third in front of the pair.	HBM
What tack does a saddle bronc wear on his head?	Halter and a single rope rein.	HBM
When the rider's weight is behind the center of motion, what happens to the horse's propelling power?	It is lessened.	HBM
If you are riding english and tracking left, which of the horses feet will be on the ground as you sit in your posting rhythm?	Left front, right hind.	HBM
What is meant by the term "claiming race"?	A race where any horse in the race can be bought for a predetermined value set before the race.	Ensminger, 515
What is the name of the dressage movement that consists of a small circle where the horse maintains the gait he was travelling in while moving his forehand around his haunches?	Pirouette.	Gardiner, 124
What is the proper name for a hunt staged on horseback when a trail has been made by dragging a bag containing litter from a fox's den?	Drag hunt.	Ensminger, 516

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
A bet to select the first two horses to finish in a race but not necessarily in the order of finish is called what?	Quinella.	HBM
"Horse Heaven" is an area where Mustangs thrived in early America due to lush grasses. What state is this in?	Washington.	HBM
What is the foot sequence of the stepping pace?	Right hind, right fore, left hind and left fore.	Ensminger, 75
Give the foot sequence of a horse cantering on the left lead.	Right hind, left hind and right fore together, left front.	Ensminger, 74
In hunting, what does "stomping the earth" mean?	Closing or blocking the entrance to a hole leading to a fox's den.	HBM
In performing a correct reinback, the legs of the horse should move how?	Diagonal pairs.	Gardiner, 119
Where should the rider's position and weight be to offer the greatest stability and least interference with the horse's motion?	Over the horse's center of gravity.	Ensminger, 437
What is a stride?	The repeated limb coordination and placement pattern exhibited by the moving horse; the distance and/or time from when a particular foot leaves the ground until that foot again strikes the ground.	Evans, Borton et al, 169
What is the common name for a female of the species <i>Equus asinus</i> ?	Jennet	Ensminger, 522

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is a Dutchman's team?	A team that has the larger horse hitched on the near (left) side.	Ensminger, 518
In fox hunting, nine hounds are referred to as how many couples?	Four and a half couples.	HBM
What is a hardy used for?	To cut and bend hot iron (in reference to shoeing).	Ensminger, 459
What is cub hunting or cubbing?	Hunting in the early part of the season for introducing the young hounds to hunting and teaching the young foxes (cubs) to look after themselves.	HBM
A lateral movement of the horse to the right or left without forward or backward movement is called what?	Slip step, side pass, full pass.	HBM
What town and state is the Hambletonian run?	DeQuoin, Illinois.	HBM
How long are each of the races which compose the triple crown?	Derby: 1 1/4 mile; Preakness: 1 1/16 mile; Belmont: 1 1/2 mile.	HBM
Name the only sire - son team of horses to win a triple crown.	Gallant Fox sired Omaha.	HBM
What are the three lucky elements of a horse shoe?	Crescent shapes were charms, iron had protective powers, horses were animals of good luck.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
A horse that moves forward with his head tucked in to his chest is said to be what?	Behind the bit.	German Nat. Eq. Fed. 71
Explain the difference between forging and interfering.	Forging: Striking of the underside of a forefoot with the toe of a hind foot. Interfering: The striking of the supporting leg (cannon or fetlock area)with the foot of the striding leg.	Ensminger, 76
What horse was the first American owned, ridden, and trained to win the Grand National?	Jay Temp.	HBM
Dressage, cross country and stadium jumping are all parts of what?	Three-day eventing, one-day eventing, and combined training.	Ensminger, 85
Secretariat won the Belmont Stakes in record time. What was the time?	2 minutes and 24 seconds.	Evans, Borton et all, 22
In horse racing, is it better to have showed or placed?	Placed.	HBM
Name the 3 officials of a hunt.	Field Master, Hunt Master, Whippers-In.	HBM
Who is the Island Stallion from the "Black Stallion" series?	Flame.	HBM
What countries buy most of the horse meat produced and packaged in the U. S.?	France and Japan.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What state leads the nation in the total number of pari-mutuel races?	New York.	HBM
What color are the horses in a Budweiser team?	Bay.	HBM
What is the gait that is slow, short, broken, somewhat uncollected, has a nodding head set, and is breed specific?	Fox trot.	Ensminger, 519
During a fire what is the best thing to do to a horse to get him out of the barn?	Blindfold him and lead him as far away from the fire as possible.	HBM
What are wind puffs?	Soft, fluid filled enlargements that occur around the joint capsule, tendon sheath, or bursa of the knees, cannons, or fetlocks.	Evans et all, 226
Excessive and involuntary, spasmodic flexion of the hock during sharp turns, while backing, or in forward movement is called what?	Stringhalt.	Evans et all, 225
What is distinctive about the hair shaft of a buckskin that is different than most other colors?	It appears to have pigment on only one side.	HBM
What color of horse is a more or less uniform mixture of white with black hairs on the body, but usually darker on head and lower legs?	Blue roan.	HH140
True or false. Gonitis is a lameness or inflammation of the stifle joint.	True.	Stashak 337

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is a gravel?	Condition which is usually caused by penetration of the protective covering of the hoof by small bits of gravel or dirt.	HBM
Define tidal volume.	The amount of air inspired or expired during a normal breath.	HIH 810
What is the term used to describe an enlargement of the plantar aspect of the fibular tarsal bone due to inflammation and thickening of the plantar ligament?	Curb.	Stashak 324
What is the common name for the parasite <i>Parascaris equorum</i> ?	Ascarids.	Evans et all, 585
Approximately what percent of total body calcium is contained in the skeleton and teeth?	99 percent.	Lewis, 20
Describe three characteristics of the grulla color.	Mouse, smokey blue or slate color. No white hair appears in the coat. Black points always present. A dilute black color.	Sponenberg, 22
Name two parts of the horse's body that belong to the immune system.	Lymph system, spleen, bone marrow, thymus.	HBM
Describe the appearance of a parrot mouthed horse.	The lower jaw is shorter than the upper jaw; incisor teeth improperly aligned.	HIH 1060
What does the training term LSD stand for?	Long slow distance.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the two factors that cause concussion to the foot and limb.	Weight of the horse and counter pressure of the earth.	HBM
What are the two most common nutritional causes of anemia?	vitamin B12 or iron deficiency.	Evans et all, 279 & 271
What are ossified lateral cartilage immediately above and toward the rear quarter of the hoof head called?	Sidebones.	Ensminger, 529
What is the difference between genotype and phenotype?	Genotype - genetic make-up. Phenotype - outward or physical appearance.	Ev, Bort et all, 454&458
What is the scientific name for the cannon bone of the hind leg?	Third metatarsal.	Stashak, 27
What tool would a blacksmith or farrier use to take a hot shoe or metal out of the forge or fire?	Tongs.	E
Name one face marking which has more white than a blaze.	Bald face, bonnet faced, apron faced, or medicine hat.	Ensminger, 459
The unsoundness characterized by a very painful inflammation of the periosteum on the front of the horse's cannon bones is referred to as what?	Bucked shins.	Ensminger, 514
What type of connective tissue binds bone to muscle?	Tendons.	Frandsen, 26

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name three of the five regions of the horse's spinal column.	Cervical, sacral, coccygeal, thoracic, lumbar.	Evans, Borton et al, 91
Name the organ affected by heaves.	Lungs.	Ensminger, 521
What term describes the dental procedure in which sharp edges of a horse's teeth are filed and smoothed?	Floating.	Ensminger, 519
The radius combines with what bone to form the forearm?	Ulna.	Evans, Borton et al, 91
What is the common name for the outer coverings of grains?	Hulls.	Lewis, 127
What breed of pony is used almost exclusively as a harness pony?	Hackney.	E
Name two oil meals which will impart a gloss or bloom to a horse's hair coat.	Corn oil, linseed oil, sunflower oil, vegetable oil, or unsaturated fats.	Ensminger, 119
What neurological disease is caused by the soil inhabitant known as Clostridium tetani?	Tetanus.	Evans, 326
Name the four fat soluble vitamins.	A, D, E, & K.	Ensminger, 245-253

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Does roaring occur during inspiration or expiration?	Inspiration.	Ensminger, 528
What part of the horse does a shoe boil affect?	Elbow.	Ensminger, 528
Differentiate between a benign neoplasm and a malignant neoplasm.	Benign neoplasm: A non-cancerous growth. Malignant neoplasm: A cancerous growth.	HBM
Name the three foundation sires to which all thoroughbreds can be traced.	Godolphin Arabian or Barb, Darley Arabian, Byerly Turk.	Evans, Borton et al, 21
Name four uses of the horse throughout time.	Source of food, military or combat, pleasure or recreation, commercial or freight, transportation, sports, and agriculture.	HBM
What breed of draft horse originated in England and is known for its black haircoat, white feathering and facial markings, and stylish way of going?	Shire.	Ok State
A diet deficient, or an extended period of excess, in iodine is likely to cause what condition?	Goiter.	Ensminger, 242
How many pairs of ribs does a horse have?	18 pairs.	Ensminger, 26
What does the acronym E. I. A. stand for?	Equine Infectious Anemia.	Ensminger, 518

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the three bones found in the horse's foot.	Third phalanx (coffin or pedal bone) Distal sesamoid (navicular bone) Second phalanx (short pastern)	Evans 98
What term describes the presence of excess fluid between the cells of the horse's body tissues?	Edema.	Ensminger, 518
The group of glands located along the urethra of the male that nourish and preserve sperm are called what?	Accessory sex glands.	Evans, Borton et al, 360
If a horse is in shock, will its temperature be higher or lower than normal?	Lower.	Veterinary Medicine, 331
The cremello color is created due to the action of dilutant genes on what basic coat color?	Chestnut.	Evans, Borton et al, 81
What term identifies the female side of the pedigree?	Distaff.	Ensminger, 517
What term describes the type of wound caused by a rope burn?	Abrasion.	Veterinary Medicine, 573
The Hanovarian, Trakehner, and Holsteiner breeds developed in what country?	Germany.	Evans, Borton et al, 74
What is a Thorcheron?	Thorcheron: Cross between a Thoroughbred and a Percheron.	HBM

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the primary sign of iron deficiency?	Anemia.	Ensminger, 290
The pericardium, myocardium, and endocardium are associated with what organ in the horse's body?	Heart.	Frandsen, 201
What is the interdental space?	The gum space between the incisors and the molars.	HBM
What disease, first recognized in Maryland in 1979, is characterized by diarrhea, founder, colic, fever, and a high mortality rate?	Potomac Horse Fever.	Evans, Borton et al, 602
Name the plant substance that the horse's body converts to vitamin A.	Carotene.	Evans, Borton et al, 238
What horse was the foundation sire of the Tennessee Walking Horse breed?	Black Allen or Allen F-1	Evans, Borton et al, 40
What term describes a vertical crack paralleling the direction of the horn tubules in the hoof wall between the heel and toe of the horse's hoof?	Quarter crack.	Ensminger, 527
What term describes the mare's seasonal estrous cycles?	Polyestrous.	Evans, Borton et al, 326
An inflammation of the small navicular bone and bursa of the hoof, often characterized by lameness, a short stubby stride, and pointing of the affected foot while standing, may denote what disease?	Navicular disease.	Ensminger, 524

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the three salivary glands.	Parotid, submaxillary, sublingual.	Evans, Borton et al, 96
Are vitamin and mineral levels higher in immature or mature grasses and legumes?	Immature.	HBM
A deworming agent specifically directed against parasitic botfly larvae is called what?	Boticide.	HBM
Coarse, flat, rounding conformation over the shoulder top and withers with heavy shoulder muscling, is referred to as what?	Mutton withers.	Ensminger, 524
What gland is located at the base of the brain and secretes hormones which regulate the body?	Pituitary gland.	Evans, Borton et al, 126
What is the common name for the Convulsive syndrome in foals caused by extreme lack of oxygen prior to, during, or immediately after birth?	Dummy foal syndrome.	Evans, 550
Name the shock absorbing part of the hoof found in the back half of the foot and above the frog.	Digital cushion.	Evans, 254
What is the proper name for the bony socket that surrounds and protects the horse's eye?	Orbital cavity.	Evans, Borton et al, 90
What is an anti-pyretic?	Fever reducer.	Veterinary Medicine, 574

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the mineral essential for blood coagulation.	Potassium	Lewis, 37
Name four conformation faults of the horse's knees.	Calf knees, buck knees, bench knees (offset), cut out under the knee, knock knees (in at the knee), and out at the knee (bow-legged at knee).	Stashak, 55-57
Is the alpha horse or the beta horse more prominent in the herd hierarchy?	Alpha.	HBM
Why are most white horses not considered albinos?	The majority of white horses have pigmented eyes. True albinos have no eye pigment.	Evans, Borton et al, 53
Would a stallion or a mare more likely be a long term carrier of the EVA virus?	Stallion.	HBM
What is a bolus?	A rounded mass of food or medicine given orally to horses.	Veterinary Medicine, 576
What is the difference in body style between the classic Shetland pony and the modern Shetland pony?	Classic: Short and chunky. Modern: Fine boned, long necked, and has high stepping action.	Ensminger, 139
Name the three primary specialized sensory organs of the horse's nervous system.	Eyes, ears, and nose.	Evans, Borton et al, 121
What is a deep-seated sore that drains at the coronet and causes severe lameness called?	Quittor.	Evans, 94

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Does stringhalt affect the front or hind legs?	Hind legs.	Evans, 96
If you looked in a horse's mouth and noticed the top incisors were evenly worn off, what vice might you suspect this horse has?	Cribbing.	Evans, 49
Name the hormone produced by the stallion's reproductive system that is suppressed during the season of short daylight hours.	Testosterone.	Evans, Borton et al, 362
What could be the most likely cause of corn on your horse's hoof?	Improper shoeing.	Emery, 98
What does the acronym COPD stand for?	Chronic obstructive pulmonary disease.	Evans, Borton et al, 607
What part of the horse's anatomy is responsible for its forward propulsion and reflects their speed, power, endurance, and athletic ability?	The hindquarters or hind legs.	Evans, Borton, et al 152
Who was Black Hand 1?	The first Pony of the Americas entered into the POA registration book and foundation sire of the POA.	Evans, Borton, et al, 59
What is the minimum length of days that a new horse should be kept isolated, before putting it with your other horses?	21 days.	Ensminger, 307
Give three reasons a horse might founder?	Obesity, retained placenta, sudden large intake of grain, reaction to antibiotics, the ingestion of walnut bedding,	Evans, Borton, et al 301

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the substance used to treat or coat wood that can cause phenol poisoning when a horse chews on it or rubs on it?	Creosote.	HBM
Describe the two major types of leg interference that occur in horses?	Supporting and striding leg interference.	Evans, borton et all, 179
What does it mean when you say a "horse is syndicated"?	The horse, usually a stallion or valuable mare, is owned by a group of people who own shares in it.	Ensminger, 492
How are foals infected with the Strongyloides westeri?	From the infective larvae in the mare's milk.	Evans, Borton et all, 632
Where on the horse would you find the sternum and what is it composed of?	Found in the horse's chest or breast; composed of eight bony segments.	Ensminger, 27
Name the four primary classifications of structures in the horse's foot.	Bones, insensitive structures (horny wall), sensitive structures, elastic structures.	Ensminger, 29
How is a synthetic breed created?	Crossing two or more breeds and mating the first generation of the crossbred offspring.	HBM
Define mutation.	A gene change or a sudden variation which is later passed on to offspring through inheritance.	Ensminger, 524
Define gene.	A unit of inheritance.	Ensminger, 520

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What term describes an action defect characterized by excessive lateral shoulder motion on a very wide fronted horse?	Rolling.	Evans, Borton et al, 181
Explain how the lead strap/rope should be held when showing a horse at halter.	Hold the lead strap/rope in the right hand 10 - 12 inches from the halter ring. Lead from the left side holding the excess length of the lead in the left hand in one or more large loops or coils.	Ensminger, 449
What part of the reins is the bight?	The part of the rein that passes between the thumb and fingers and out the top of the rider's hand.	Ensminger, 513
What term describes the natural movement of the horse?	Way of going.	Evans, Borton et al, 169
What is the proper name for the foal's baby teeth?	Deciduous teeth, or temporary.	Ensminger, 51
What kind of joint is the horse's elbow?	Ginglymus joint or hinge joint.	Evans, Borton et al, 688
Where does the G. intestinalis or common bot lay its eggs?	On the forelimbs and shoulders.	Evans, Borton et al, 635
Where does G. hemorrhoidalis or nose bot lay its eggs?	On the short hair around the lips.	Evans, Borton et al, 634
Where does G. nasals or throat bot lay its eggs?	On the hair between the jaw.	Evans, Borton et al, 633

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Give three functions of the gastrointestinal tract.	Ingestion, mixing, absorption, grinding, digestion, and elimination.	Evans, Borton et al, 119
Name three types of horse races and the predominant breed of each.	Running races - Thoroughbreds. Harness races - Standardbreds. Quarter races - Quarter Horses.	HBM
What is the medical name for the growth plate on long bones?	Cartilaginous epiphyseal plate	Stashak, 128
Define an outlaw horse.	A horse which cannot or will not be broken.	Ensminger, 525
In transporting horses, what can you do to prevent trouble when hauling a mare and a stallion together or two horses that fight?	Rub Vicks Vaporub on their nostrils to prevent them from smelling each other.	HBM
When should an immunization program for a foal begin?	At 2-3 months of age.	Ensminger, 328
What term identifies gene pairs which are not identical?	Heterozygous.	Evans, Borton et al 451
What is the primary function of the vas deferens in the male horse?	To transport spermatozoa from the epididymis to the urethra.	Evans, Borton et al, 358
When selecting materials for a horse barn, name three things you should consider.	Initial cost, durability, minimum maintenance, fire resistance/safety, attractiveness.	Ensminger, 303

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name four things that make up the horse's environment.	Feed,water, weather, facility, health, stress.	Ensminger, 399
Name the unsoundness that is characterized by a soft swelling in the natural depression on the inside front portion of the horse's hock.	Bog spavin.	Evans, Borton et al, 165
Define equitation.	The act or art of riding horseback.	Ensminger, 518
Name two conformation faults that predisposes forging and over reaching.	<ol style="list-style-type: none">1. Horse with a short back and long legs.2. Short horse with short forelegs and long hind legs.3. Short underline and long limbs.4. Different height at wither and hip.5. Length of topline versus length of underline	Stashak, 72
Name two forms of cereal grains that can be fed to horses.	Whole or processed grains.	Lewis, 101
Name two types of horse shoes that can be used to re-establish normal frog pressure.	Bar shoe, T-bar shoe, slippered heel shoe, Chadwick spring.	Emery, 177-181
Name two ideal conformation traits that are associated with a long elastic, springy stride.	Sloping shoulders and sloping pasterns.	HBM
Name the four teeth found in stallions but rarely in mares.	Tushes or canine.	Ensminger, 50
Give two examples of conditions that would indicate that a foal is infested with ascarids.	Smaller than normal growth; dull hair coat; dry, leathery skin; distended abdomen.	Ensminger, 348

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Give two reasons why you should stop every 3 to 4 hours when transporting mares with foal long distances.	Time for nursing, exercise, rest, water, and elimination.	Ensminger, 464
Give four differences between colostrum and ordinary mare's milk.	Colostrum is: More concentrated, higher in protein, higher in globulins, richer in vitamin A, contains more antibodies, and stimulates the alimentary canal.	Ensminger, 516
Describe a lope.	A slow, smooth, three beat gait (canter), characteristic of a western horse.	Ensminger, 523
What part of the bone is responsible for longitudinal growth?	Physis (growth plate) or metaphyseal growth plate.	Stashak, 127
Name the most famous member of the Percheron breed.	Brilliant #1271, a black stallion imported in 1881.	Ensminger, 157
Why was the Thorcheron developed?	To develop a larger, more docile, athletic hunter/jumper, with heavier bone, designed for fewer jumping injuries and to provide a more suitable mount for a heavier rider.	HBM
Give four examples of damage that ascarid infestation can do to horses.	Ruptures, chronic enteritis, disruption of digestion and absorption of nutrients, perforation of bowel and peritonitis, malnutrition, and destructive migration through liver and lungs.	Evans, Borton et al, 630
Describe the condition stifled.	The patella locks or becomes fixed on top of the medial ridge of the trochlea and is unable to flex, causing the leg to remain in an extended position.	Evans, Borton et al, 691
What term describes the highest form of specialized training of the riding horse?	Haute école.	Ensminger, 521

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the proper foot-fall sequence of a galloping horse?	1. One hind foot. 2. The other hind foot. 3. Diagonal front foot. 4. Opposite front foot. For example: left hind, right hind, left front right front	Evans, Borton et al, 177
Describe one early symptom of neonatal septicemia.	Decreased appetite; general weakness; mild dehydration; weak sucking reflex; fever.	Evans, Borton et al, 595
What is the major objection to the use of artificial insemination?	If a stallion is bred to too many mares, the market value of his foals will decrease dramatically.	HBM
Describe the three stages of parturition.	First stage - Uterine contractions, cervix dilates, water breaks. Second stage - Mare supplements with strong propulsive/pushing efforts, expulsion of the fetus. Third - Placenta separates from the uterine wall - expulsion of placenta or afterbirth	Evans 417-421
Which strain of equine encephalomyelitis has the lowest mortality rate?	Western Equine Encephalomyelitis.	Evans, Borton et al, 599
What term describes a cloudy or inflamed condition of the horse's eye that disappears and returns in cycles?	Moon blindness.	Ensminger, 524
Name the plant substance that the horse's body tissues can convert to vitamin A.	Carotene.	Evans, Borton et al, 238
What part of the horse is affected by VEE?	The white matter of the brain and the spinal cord.	Ensminger, 334
Explain the difference between ingestion and digestion.	Ingestion - Taking in food. Digestion - Breaking the food down in preparation for absorption.	Ensminger, 375 & 219

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
How much of the horse's body weight is carried on the horse's front legs?	60 - 65 %.	HBM
What pair of salivary glands are the largest?	Parotid.	Evans, Borton et al, 96
Name four factors that affect the horse's heart rate.	Exercise level, pain, disease, level of excitement, fever, ambient temperature, humidity, stroke volume, cardiac output.	Evans, Borton et al, 113
How long before parturition will the pregnant mare's teats begin to wax?	Generally 2-4 days.	Evans, Borton et al, 417
What kind of test is the Coggins test?	Agar Gel Immuno-diffusion Test.	Evans, Borton et al, 601
If you found your horse with a profusely bleeding laceration on its leg, what is the first thing you should do?	Stop the bleeding.	HBM
What type of dystocia occurs when a mare is unable to deliver a foal because of muscles failing to contract, uterine torsion, perforation or pelvic problems in the mare?	Maternal dystocia.	Evans, Borton et al, 423
Name the parasite that causes formation of crusts and/or scabs on the horse's skin causing intense itching.	Mange mites.	Evans, Borton et al, 645
Name the equine parasite responsible for tail rubbing.	pruritus ani or pinworm.	Evans, Borton et al, 640

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What breed claims to be the ancestor of the mustang?	Galiceno.	Ensminger, 118
Give one reason why wooden planks are not recommended to cover concrete or elevated floors.	Slippery when wet, difficult to clean, harbor odors.	HBM
What color is the result of a double dilution of chestnut?	Cremello.	Evans, Boarton et all, 81
Give two functions of the horse's skeletal system.	Provides the framework; gives the body form; supports soft parts; protects vital organs.	Evans, Borton et all, 90
What is a cryptorchid or ridgeling?	A male horse that has retained one or both testes.	Evans, Borton et all, 520
The degree of homozygous genes in offspring can be increased by using two methods of breeding. Name these two methods.	Line breeding and close breeding.	Ensminger, 176-177
In the proper order, give all of the divisions and positions of the horse according to the zoological scheme.	Kingdom - Animalia; Phylum - Chordate; Class - Mammalia; Order - Perissodactyla; Family - Equidae; Genus - Equus; Species - caballus.	Ensminger, 8
What is the function and names of the first and second vertebrae of the horse's spinal column.	Atlas - allows up and down flexion and neck extension. Axis - allows left and right movement of the neck.	Evans, Borton et all, 96
Name the vitamin responsible for the assimilation and utilization of calcium and phosphorus.	Vitamin D.	Evans, Borton et all, 221

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the primary function of the suspensory ligament in the horse's leg?	To prevent excessive overextension of the fetlock joint.	Evans, Borton et al, 708
Explain one reason why you would not consider purchasing a horse with poor conformation.	Predisposes a horse to unsoundnesses; hereditary defects could be passed to offspring.	HBM
Name the conformation fault of a horse that stands with its front feet closer together than the top of its legs.	Base narrow.	Stashak, 51
Name the type of shoe generally used on horses that stumble, forge or that have ringbone or side bones.	Rocker toe shoe.	Ensminger, 460
Define commissures.	The deep grooves on either side of the frog which gives the foot elasticity.	Ensminger, 29
What are five guidelines for the overo color pattern recognized by the American Paint Horse Association?	White does not cross the back; one or more legs are dark; the head is bald, apron, or bonnet faced; white body marks are irregularly splashed; the tail is usually one color.	Evans, Borton et al, 47
Name the internal part of the horse found between the radius and cannon bones.	Carpus or carpal joint.	Evans, Borton et al, 689
How are hobbles, or hobbles, used on a trotter and a pacer?	Pacer - they connect the forearm and the hind leg on the same side to keep the horse in gait. Trotter - they connect the diagonal forearm and hind leg to keep the horse in gait.	Ensminger, 521-522
Name the specific part of the stallion's anatomy that is responsible for producing sperm.	Seminiferous Tubules.	Evans, Borton et al, 362

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Explain the difference between a jack spavin and a bone spavin.	Jack spavin - bony enlargement of the hock. Bog spavin - soft swelling of the hock capsule.	Evans, Borton et al, 165
Give six possible causes of shock in the horse.	Loss of blood, infection (septicemia), pain, allergy, thermal and chemical burns, colic or excessive diarrhea, surgery, hyperthermia, or injection reaction.	Veterinary Medicine, 330
Which of the two different groups of minerals do the following minerals belong to - calcium, phosphorus, sodium, chlorine, potassium, magnesium and sulfur.	Macrominerals.	Lewis, 25
What term describes the habit of a horse that rolls its food into balls rather than chew it and then drops it on the ground?	Quidding.	Veterinary Medicine, 341
Describe the following three systems of breeding: Inbreeding, close-breeding, and line-breeding.	Inbreeding - mating of horses more closely related than the average. Close-breeding - mating of sire to daughter, son to dam, brother to sister (mating closely related individuals). Line-breeding - mating half brother to half sister	Ensminger, 176
The biological name for the skin and hair is what?	Integument.	Evans, Borton et al, 128
What are alleles?	Non-identical genes located at the same physical position (locus) on the chromosome.	Evans, Borton et al, 451
What does the term Bradycardia mean?	A slower than normal heart rate.	Evans, Borton et al, 594
What is the single most reliable parameter by which water quality can be evaluated?	Total dissolved solids (TDS).	Lewis, 7

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name a light horse breed from the USSR that was originally used as a war horse.	Akhal-Teke.	Ensminger, 103
What disease is characterized by an acute upper respiratory tract infection caused by a specific herpes virus that may also cause abortion?	Equine Viral Arteritis (EVA).	Evans, Borton et al, 598
What part of the horse's brain controls FSH in the mare and the stallion?	Anterior pituitary gland.	Evans, Borton et al, 126
How long after conception does it take for the fetus to become implanted in the uterus?	40 - 150 (complete) days after conception.	Evans, Borton et al, 340
In comparison to other parasites, what is peculiar about strongyloides.	They have both parasitic and free living generations.	Evans, Borton et al, 619
Name the tendon responsible for the extension of the horse's toe and hoof.	Digital extensor tendon.	Stashak, 269
Describe one function of the distal sesamoid or navicular bone.	Protects coffin joint. Provides an important bearing surface of support for the deep flexor tendon.	Emery, 14
Name one category that measures the performance of the Thoroughbred horse.	Earning, handicaps, time.	HBM
Name two things that determine a horse's speed.	Stride frequency and stride length.	Evans, Borton et al, 169

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Where in the horse's mouth would you find the enzyme ptyalin?	Saliva.	HBM
Name four exterior parts of the horse's foot.	Horny wall, periople ring, white line, horny frog, commissures, horny sole, bars, heel, cleft of frog.	Ensminger, 29
Give three examples of negative reinforcers used in training.	Punishment, escape, avoidance.	Evans, Borton et al, 665
If you plan to travel with you horse, when should it's vaccinations be brought up to date?	At least two weeks prior to traveling.	HIH 1150-1
Name four general causes of infertility in either a mare or stallion.	Infections, hormonal disturbances, nutritional factors, anatomical problems, age, psychological, mechanical.	HBM
Name the part of the horse's anatomy responsible for prehension.	The horse's upper lip.	HBM
Name the five modified vascular tissues that furnish nutrition to the horse's hooves.	Periopic corium; coronary corium; laminar corium; sole corium; frog corium.	HBM
Why is a horse with a parrot mouth genetically undesirable?	Parrot mouth is a dominant trait and can be inherited by offspring.	Evans, Borton et al, 144
Give two examples of why you would use a hot poultice on you horse.	To increase blood supply to an injured area; to draw out infection from an abscess or puncture wound.	HIH 440-6

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Give three examples of how evolution has affected the horse.	Changed from: Small structure to large size; multiple toes on each foot to one toe on each foot; swamp living to grazing; teeth - low browsing to high crowned suitable for grass grazing; into a "true horse" suitable for domestication	Ensminger, 2-3
What term describes the ductless glands that produce hormones that influence various functions in the horse's body?	Endocrine system.	Evans, Borton et al, 126
What kind of fluid should you give a horse suffering from heat cramps?	Electrolytes.	HIH 410-1
Name four different types of wounds.	Incised, laceration, avulsion, contusion, abrasion, punctures, burns.	HIH 440-1&2
Describe three events that must take place in an embryo transfer.	Synchronization of ovulation in the donor and recipient, fertilization in the donor mare; embryo is taken from the donor mare; embryo implanted into the recipient.	Evans, Borton et al, 411
What medical term describes an abscessed wound that is producing pus?	Suppuration.	Veterinary Medicine, 594
Name three conformation faults of the horse's body, excluding it's limbs.	Plain course head; mutton withers; sway back; roach back; ewe necked; straight shoulders; paunchy/pot belly; wasp waisted; narrow chest; shoulders too wide; short, thick neck, slab sided.	HBM
Name two systems in the horse's body that use smooth muscles.	Digestive; circulatory; respiratory; urogenital.	HIH 840-1
Give two good reasons for shoeing a horse.	To alleviate stress from an injured foot; to aid in correcting action defects; to increase traction on specific terrain; to prevent hoof from breaking or excessive wear; to increase circulation; to correct mild conformation faults.	Ensminger, 457-460

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Give three reasons for dressing a wound on your horse.	Immobilization aids healing; protects from dirt/insect causing infections; protects wound from further trauma; aids in reducing swelling; aids in controlling hemorrhage.	HIH 440-4
What is unique about the homozygous genetic dominant code "WW" (capital W, capital W)?	The homozygous dominant gene WW is lethal.	Evans, Borton et al, 511
Name four documents that should be carried with you when you travel across state or border lines with your horse.	Current health certificate; proof of ownership/registration papers; proof of negative Coggins test (for EIA); other documents required by show, show grounds, camp sites; border crossing documents.	HIH 1150-2
Name the genetic disease in which large pieces of hair or skin are missing at birth in a newborn foal.	Epitheliogenesis imperfecta.	Evans, Borton et al, 514
Name six classifications of unsoundness.	Conformational; health induced; congenital; acquired/injury; reproductive/breeding; working; systemic; head related, body.	Evans, Borton et al, 168
Describe four things you can do to alleviate some of the horse's distress caused by heaves.	Provide lots of fresh air; eliminate dust; leave on pasture; wet the hay or grain; feed a pelleted ration; give antihistamine medications; use dust free bedding; adjust high temp. with fan or cooler; adjust humidity level	Evans, Borton et al, 606
Name the condition found in growing foals whose joint cartilage does not properly differentiate.	Osteochondritis dissecans (OCD).	Stashak, 149-150
Name four types of colic.	Spasmodic colic; impaction; incarceration; displacement; excessive fermentation.	HIH 435-1
Name the method of identifying horses that was first introduced by the old Army remount service.	Lip tattoo.	Ensminger, 454

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What are the pigmented melanin granules responsible for in the horse?	Hair coat color.	Evans, Borton et al, 129
What is the medical name for over eating disease?	Enterotoxemia.	Evans, Borton et al, 305
How does a long tall tooth occur in the horse's mouth?	A missing tooth leaves an unopposed space that lets the opposing tooth grow longer.	HIH 405-1
Describe the position of a coon footed horse.	The angle of the horse's hoof axis is greater than the pastern axis.	Stashak, 72
Name four recommended, safe kinds of horse fencing materials.	Wood, metal, wire, PVC.	Ensminger, 315
Name five parts of the western bridle that need adjustments when putting it on the horse for the first time.	Headstall; cheek pieces/straps; throat latch strap; placement of bit; curb strap.	HBM
What percent of slope is needed to provide rapid removal of water, without erosion around a horse barn or stable?	2 to 6 %.	HIH 320-3
Name three of the horse's body functions that are controlled by the endocrine system.	Growth; reproduction; metabolism; digestion.	Evans, Borton et al, 126
What is the purpose of the fullering iron used by farriers?	To make a crease in a hand forged horseshoe or repair damaged creases.	Evans, Borton et al, 728

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Describe the dressage maneuver called the levade.	The horse remains collected as it lowers it's hindquarters while simultaneously holding it's forelegs off the ground, a half rearing position.	Ensminger, 523
Name the organ in the stallion's reproductive system considered to be the "master organ".	Testes.	HIH 920-1
What term describes muscles that work together to accomplish movement?	Synergists.	HBM
Where specifically in the horse would you find the fibular tarsal bones?	In the point of the horse's hock.	Stashak, 323
What is the most common cause attributed to coughing, pot bellies, and rough haircoats in young foals?	Ascarid larvae in the foal's lungs.	Ensminger, 348
What color is the Holstein horse?	Solid color usually bay or seal brown.	Evans, Borton et all, 74
Describe the difference between a regular horseshoe and the polo horseshoe?	Regular - flat shoe with nail holes punched, finished heels and without anything done to it or added to it. Polo - inside rim on the web is higher than the outside rim.	Evans, Borton et all, 737
How does a horse manifest it's dominant position within a herd?	By pinning it's ears, baring it's teeth and/or makes a sudden threatening movement (aggression).	Evans, Borton et all, 677
Describe the difference between unilateral and bilateral cryptorchidism in horses and which one is generally fertile.	Unilateral - only one testicle is undescended. Bilateral - both testicles are undescended. Unilateral can be fertile.	HIH 920-1

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the color pattern on a Pinto horse whose genetic color code for dominant white is at the capital "T" locus.	Tobiano.	Evans, Borton et al, 490
Name two types of horseshoes that can be used to re-establish normal frog pressure.	Bar shoe; slippered (beveled heels); chadwick spring.	Evans, Borton et al, 750
What is the position of a properly driven horseshoe nail?	Parallel to the tubules in the hoof wall.	Evans 746
What is unique about the horse's ulna?	It has no bone marrow cavity.	Evans 684
What part of the horse's body is affected by orbital cellulitis?	The horse's eye.	IVE 356
Name the condition caused by an accumulation of glycogen in the musculature of a horse.	Azoturia; Monday morning disease; black water; tying up.	IVE 627
Name the cellular components of the horse's blood and describe the function of each one.	Erythrocytes (red blood cells) - provides blood with its ability to carry oxygen. Leukocytes (white blood cells) - combat infections. Thrombocytes (platelets) - reduces blood loss when tissue is injured, also instrumental in the	EVE 455 - 457
Name a sex linked trait that is characterized by the inability of the horse's blood to clot.	Hemophilia.	Evans 462
Why would you use safety chains on a horse trailer?	For added safety. They provide more attachment between the vehicle and the trailer, and won't just release if the hitch comes loose.	HIH 1155-1

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What term describes the amount of blood pumped by the ventricle with each beat of the horse's heart?	Stroke volume.	HIH 830-0
Name two of the subsidiary joints found in the carpal joint of the horse's knee.	Radiocarpal joint; intercarpal joint; carpometacarpal joint.	Evans 689
What is the difference between canine teeth and wolf teeth?	Canine- four teeth in the interdental space almost exclusive to the male horse. Wolf - a small tooth that appears at the base of the first premolar and can be found in the male or female horse.	Evans 92
Describe two pieces of equipment that you can use to help stabilize a load on a pack horse.	Breeching - to keep it from sliding forward. Breast collar - to keep it from sliding backward. Croupier - to help keep the saddle centered.	HIH 1125-3
Name the horseshoe that has a one-quarter inch extension at the outside of the heel used to correct a cow-hocked condition.	A horseshoe with a trailer.	Evans 748
Name the joint that is subject to the greatest strain of all the joints.	Fetlock joint or metacarpophalangeal joint.	Evans 689
Describe the tovero hair coat color.	It is a combination of the Pinto/Paint Tobiano and Overo patterns and clearly does not belong to either color pattern.	HIH 159
Name the breed of each of these four famous stallions: Dan Patch, Black Hawk, Man O' War, & Steel Dust.	Dan Patch - Standardbred; Black Hawk - Morgan; Man O' War - Thoroughbred; Steel Dust - Quarter Horse.	Ens 104 - 114
Define a mutation.	A gene change or a sudden variation of a gene which is later passed onto offspring through inheritance.	Ens 422

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Describe the two divisions of the Tevis Cup ride that are judged.	1. The race over the 100 mile course by best time. 2. The horse in the best condition that completes the ride within 24 hours.	Ens 76
What is a futurity?	A race or show in which horses are entered by nominating them before they were born.	Ens 418
When showing horses, give one reason for why you would be required to change your riding attire.	Time of day; type of horse being ridden; type of class entered; type of bridle and saddle being used.	Ens 343
Describe the "calico" hair coat color on horses.	Excessive white on legs and face with splashes and roaring on belly and body.	HIH 1040-3
Describe four things that you can do for an overheated horse.	1. Call your vet. Until the vet arrives: Spray/hose down with water; put horse in the shade or cool stall; use a fan; put an ice pack on its head; & give a few swallows of cool water.	HIH 441-5
Give an example of why you would use a cold poultice on your horse.	To decrease inflammation and swelling caused by a blow or a kick; to reduce swelling, heat and pain of a contusion or hematoma.	HIH 440-6, 441-5
What is the difference between the mare's estrus and diestrus cycles?	Estrus - period during which the mare is receptive to the stallion and encourages mating. Diestrus - period during which the mare is not receptive to a stallion and will resist him.	HIH 910-1
Give five advantages of pelleted horse feed.	Less bulky to store; balanced ration; less waste; eliminates dusty feed; less fattening; less pollution.	Ens 216
What term identifies the crease in a horseshoe where the nail holes are found?	Fullerings.	Evans 731

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the difference between the horse's periosteum and the peritoneum?	Periosteum - covers all bones in the body. Peritoneum - the lining of the abdominal wall, pelvic cavities and surrounding organs.	IVE 698 - 699
What part of the horse's brain controls its respiration, circulation, and temperature?	The medulla oblongata or brain stem.	IVE 549
How many species of the Strongylidae family are known to infest horses?	54 species.	Evans 622
Give three good reasons for de-worming you horses.	To protect your horse's health. To protect your horse from re-infestation. To prevent environmental contamination.	Evans
Name four conformation defects of the horse's knees.	Calf knees; bucked knees; benchkneed or offset knees; cut out under the knee; knock kneed or in at the knee; mis-alignment of knees.	IVE 153 - 165
What part of the horse and rider should match, or be the same, if a rider is riding a balanced seat?	The rider's center of gravity must be over the horse's center of gravity.	ENS 331
Name the skeletal bases for the horse's entire hindquarter region.	Pelvic girdle.	IVE 292
Name two common myxovirus strains of influenza that affects horses.	A/Equi 1 and A/Equi 2.	Evans 597
What do the following action defects have in common: Forging, cross-firing, scalping, speedy cutting, & shin hitting?	They are all striding leg interference.	Evans 179

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name the unsoundness that causes excessive pressure on the 3rd phalanx or coffin bone.	Contracted heels.	Evans 721
Name one type of arthritis that affects horses.	Chronic osteoarthritis; acute serious arthritis; purulent (infectious) arthritis.	IVE 15
What is the purpose of a pritchel?	To open the nail holes on a horse shoe.	HIH 530-4
Name three conformation faults that predisposes a horse to ringbone.	Base wide; base narrow; toe-in; toe-out.	HIH 220-6
What is the difference between the piaffe and the passage?	Piaffe - a cadenced trot in place. Passage - a slow cadenced trot with long periods of suspension.	Ens 415
Why are there more injuries and unsoundnesses in horses front limbs?	Approximately 65% of the horse's body weight is carried by the forequarters subjecting the front limbs to more stress and strain.	HIH 230
What is the difference between primary reinforcers and secondary reinforcers?	Primary - have natural reinforcing properties such as feed. Secondary - are things learned by the horse over a period of time.	HIH 1240-2
What is the difference between the function of an axon and a dendrite?	Axon - carries impulses away from a cell. Dendrite - carries impulses to the body's cells.	IVE 561
Name two parts of the horse's foot that the laminar corium supplies with blood and nutrition.	Sensitive laminae; insensitive laminae; white line.	Evans 696

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the definition of a balanced ration?	A ration that provides a horse with the proper proportions and amounts of all of the required nutrients for a 24 hour period.	Evans 217
What is the difference between an extended walk and a free walk?	Extended walk - rider maintains contact with the horse's mouth through the reins. Free walk - rider allows a long, loose rein and gives the horse full head and neck freedom.	Evans 174
How does the "Pangare effect" affect the results of hair coloring on a horse?	It is responsible for light brown hair on the muzzle, over the eyes, on the flanks, and on the inside of the horse's legs.	Evans 481
What is the "stay apparatus"?	A system of check ligaments working with the suspensory apparatus to allow the horse to sleep while standing up.	IVE 104
What term describes the horse's behavior when horses show care and attention to each other especially the care between a mare and her foal?	Epimeletic behavior.	Evans 675
Explain why a horse in shock needs to be treated by a veterinarian.	Primary treatment involves massive intravenous replacement of fluids (whole blood, plasma, extenders, or saline solution).	IVE 3
What is the medical name for a decrease in the amount of oxygen saturation in the horse's arterial blood flow?	Arterial hypoxemia.	IVE 895-1
Define the action defect called pointing.	A perceptible extension of the stride with little flexion.	Ens 69
Where are racing hobbles used and what is their purpose?	Used in harness racing to connect the lateral fore and hind legs of pacers and to connect the diagonal legs in trotters to keep the horse from breaking gait.	Ens 420

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Why would you give a horse 1500 to 3000 international units of antitoxin?	The horse has an injury and has not previously been immunized with tetanus toxoid.	Ens 261
Where in the horse would you find the tuber coxae?	In the horse's pelvis; term for hip bone.	Evans, Borton et al, 687
Why is it important for a rider to stay deep in the saddle and sit up straight?	A horse responds readily to shifts in the rider's weight. Exaggerated weight shifts can throw the horse off balance and confuse it.	HIH 1220-1
Describe four methods you can use to help prevent your horse from getting colic.	Avoid sudden changes in types and amounts of feed; restrict amount of cold water to a very hot horse; prevent over-excitement; keep grain supply safely locked up; always keep an ample source of water available; provide a good parasite control program	HIH 235-1; 434-3
Describe two functions of the horse's larynx.	<ol style="list-style-type: none">1. To regulate the flow of air into the trachea.2. To prevent inspiration of foreign objects.3. Provide a place for the vocal cords.	Evans 105
Name two structures that control the action of the horse's cannon, pastern and foot action.	Ligaments and tendons.	Evans 98
What are two of the functions of the heart-bar shoe?	<ol style="list-style-type: none">1. Prevents further rotation of the pedal (coffin) bone.2. Re-establishes normal laminae relationship.3. Supports the back of the hoof.	Evans 752
Name one function of the corpus luteum in the mare.	<ol style="list-style-type: none">1. Forms the tissue structure in the ovary that remains after the follicle ruptures.2. Secretes the hormone progesterone.	HIH 910-4
Give two good reasons for giving your horse an antihistamine.	<ol style="list-style-type: none">1. To reduce inflammation.2. To neutralize and treat allergies in the horse's body.	Ens 412

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name two of the four components of plasma.	Water; ions; proteins (serum albumin, fibrinogen, globulin); lipids.	Evans 117
What is arterial hypoxemia?	The lowering of oxygen saturation of the arterial blood.	HIH 810-2
How should a rider's position change as the speed of his horse changes?	The greater forward speed the horse has, the greater forward inclination the rider should be.	ENS 351
What type of genes are responsible for the size and distribution of the spots on a Leopard Appaloosa?	Modifier genes.	EVANS 497
What term can be defined as the total amount of air expired or inspired within a minute?	Minute volume.	HIH 810-1
What is meant by the term afebrile?	Without a fever.	EQUUS 6
Approximately how long after ingestion will the food particles of a hay-grain ration appear in the feces?	65 - 75 hours.	EVANS 158
Define splints.	Abnormal or new bony growths on the cannon or splint bones caused by tearing of ligaments or periostitis.	EVANS 158-159
What is the name for a decreased ability to sweat in response to overheating?	Anhydrosis.	LEWIS 210

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the function of the broad ligament?	Suspend the uterus within the body cavity.	HIH 910-3
What is the term for the degree of expression of a trait for which an animal has the gene?	Penetrance.	HIH 1060-2
What is the name for the tube that envelops the tendon and secretes a lubricant to reduce tendon friction at points of stress?	Tendon sheath.	Stashak, 269
What type of lameness may actually worsen if the horse is exercised in a swimming pool?	Stifle lameness.	Ens 290
When is the dominant white of the American White horse lethal?	When both gene units are the dominant white.	Evans 53
What are three types of western headstalls?	Split ear, slip ear, and conventional.	HIH 1100-8
What is a ringer?	A horse that it passed off under false identity, with the idea of entering it in a race below its class where it is almost certain to win.	ENS 366
To prevent bruises, lacerations, or tears, what device can be used when breeding a mare?	Breeding roll.	Evans 413
What is the outermost and toughest of three membranes covering the brain and spinal cord?	Dura mater.	Equus 24

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What mixture is a simple source of electrolytes?	2 ounces of a mixture of 3 parts lite salt (potassium chloride) and 1 part limestone given on a daily basis.	HIH 410-2
What would the heart rate be at maximum intensity exercise?	Greater than 200 beats per minute.	HIH 820-2
Name the accessory sex glands in the stallion.	Prostate, vesicular, and bulbourethral glands.	Evans 360
A genetic disorder characterized by failure of skin formation over parts of the body or mouth is called what?	Eptheliogenesis imperfecta.	HIH 1060-5
What are the vitamins which are most directly involved in energy producing reactions?	B vitamins.	HIH 820-1
What tendon prevents the knee from bucking forward?	Lacertus fibrosus tendon.	Evans 712
Why is the gait of a Fox Trotting Horse so smooth compared to other trotting horse breeds?	The back diagonal foot comes down later than the front foot.	Evans 42
What would a brownish-green urine color indicate?	Jaundice.	HIH 425-2
At what age is it most beneficial to begin exercise conditioning of young horses to increase physical fitness?	18 months.	Lewis 204

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
A "doughnut" below the fetlock to limit flexion is used in the treatment of what condition?	Capped elbow (shoe boil).	IVEH 189
Define an abrasion.	A wound caused by wearing away the top layer of skin and hair by friction.	Veterinary Medicine, 573
How do you fingerprint a horse?	Photograph the chestnuts and classify according to size and distinctive pattern. (DNA matching could also be used).	ENS 366
How long after delivery should a foal who is not nursing be guided to the mare's udder?	After two hours.	Evans 427
The most widely used type of reproductive hormone therapy in mare management is called what?	Prostaglandin F-2-Alpha (also chloroautropin, progesterone, regimate).	HIH 930-3
Name the part of the body which is between the point of the hip and the last rib.	Coupling/loin.	ENS 415
What are the terms for the three recommended types of administration schedules or programs for dewormers?	Interval, seasonal, continual.	Lewis 160
What are three types of closed wounds?	Bruises, contusions, sprains, and muscle and tendon rupture.	HIH 440-5
What part of the female reproductive system is approximately four inches long and appears as a circle of folded tissue at the anterior surface of the vaginal vault?	Cervix.	HIH 910-3

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What type of shoe is used to elevate the heels of a horse that is confined to stall rest?	Patten shoe.	HIH 515-5
Where did the name Palomino come from?	The Palomino grape or the Golden grape of California.	Evans 50
Which hormone controls glucose levels in the body?	Insulin.	Evans 127
Who developed the snaffle bit?	The Greeks.	ENS 5
In what two areas of the body is thiamin converted to its active form?	Liver and kidney.	Lewis 52
What show ponies are divided into 2 different classes; long-tail or cob-tail.	Hackney pony.	Evans 63
To prevent muddy conditions, the barn site should have a slope of what range?	2 - 6 percent.	HIH 320-2
What is the importance of Wimpy P-1 to the Quarter Horse breed?	He was given the first permanent registration number and was Grand Champion Stallion at the 1941 Fort Worth Expo.	Evans 26
Describe contracted heels.	Frog is narrow and shrunken, heels are pulled together.	Evans 167

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
If a horse desires to see an object that is far away, what must it do with it's head?	Lower the head.	HIH 1220-1
What two nerves in the hind limbs are responsible for motor function of the horse by activating muscles that extend and flex the hock and stifle?	Tibial and peroneal.	Evans 705
The dilution gene affecting color is an example of what type of gene action resulting in an intermediate state but not in an exact intermediate?	Partial dominance.	HIH 1020-3
What does chorion do for horses?	Build and maintain cell structure and aid in the transmission of nerve impulses.	ENS 202
When dealing with insecticides, what do the letters W. P. and E. C. stand for?	Wettable powder, and emulsifiable concentrates.	HIH 415-7
Why would you mix chaff or chopped hay with grain?	To discourage bolting of feed.	Lewis 94
What is ovariectomy?	Surgical removal of the ovary.	Equus 52
What is the slang term for a wild or race horse?	Bangtail.	ENS 420
What is the term for an increase in the diameter of individual muscle fibers?	Hypertrophy.	HIH 895-2

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
During the forage production period, one acre of good, improved pasture receiving the optimum amount of moisture may yield the equivalent of how much nutritious, high quality forage?	5 - 7 tons.	Lewis 104
What is the fibro-elastic, fatty cushion located in the back half of the foot and acts as a shock absorber?	Digital cushion (plantar cushion).	Evans 696
What is the physical characteristic of a grass hay that signifies that leaf development is complete and the hay should be harvested?	Grass seed head shows through the sheath.	Lewis 68
What is the single greatest cause of infection and death in foals?	Failure of passive transfer (of antibodies from colostrum) also Maladjustment Syndrome.	HIH 950-2
Name one function that sodium, potassium, and chloride are essential for.	Fluid balance, nerve and muscle function, and acid/base balance.	HIH 820-2
What are the wing-like structures attached to the sides or wings of the coffin bone?	Lateral cartilage.	HIH 505-4
What criterion provides the most reliable estimation of a horse's age by its teeth?	Teeth eruption dates.	Lewis 177
What is the term given to the period in early training when all behavior is being taught for the first time?	Acquisition phase.	HIH 1240-5
Which cells in the stallion secrete estrogen?	Leydig cells.	HIH 920-2

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What are the sulci?	The grooves along either side of the frog.	HIH 425-4
What can be the result of bench knees or offset knees?	Splints.	HIH 230-3
What happens when a horse is fed high levels of calcium for long periods of time?	The bones become very brittle and dense.	Evans 227
There are 7 different types of western saddles. Name 5.	Pleasure/trail; endurance; equitation; reining; gymkhana; roping; cutting; barrel racing.	HIH 1100-4-5
What type of behavior is exhibited when a horse will stand broadside to the sun to absorb warmth on a cold day?	Protective.	ENS 297
What word refers to the protrusion of an internal organ through the wall of its containing cavity?	Hernia.	ENS 62
When discussing vital signs, what does the term inversion refer to?	A situation where the horse's respiration rate is higher than its pulse rate.	HIH 425-1
Which organ in the digestive system is responsible for the horse's gut sounds?	Cecum.	HIH 710-2
Describe and give the purpose for using concave shoes.	They have fullering all the way around the shoe; the fullering fills with dirt which increases traction.	HIH 515-4

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Fatigue or exhaustion may result from a deficit of what two things?	Energy and/or water and electrolytes.	Lewis 214
Horses with thin, brittle hoof walls, can benefit from being fed what nutrient?	Biotin, calcium.	Lewis 214
If the mare is not pregnant, what hormone is released from the uterus 14 - 16 days following ovulation, travelling to the ovary where it causes destruction of the corpus luteum?	Prostaglandin F 2A.	HIH 910-6
What do weeds and brush in a pasture often indicate?	The pasture has been poorly managed, overgrazed, or inadequately fertilized.	HIH 730-2
What is the degeneration of the specific cells in the cerebellum which results in incoordination?	Cerebella ataxia.	HIH 1060-5
What is the proper angle of the hoof wall for the hind feet and how is it best determined?	50 - 55 degrees; best determined by the angle of the pastern.	Evans 722
Give three functions of the horse's kidneys.	Filter blood; control water balance; control pH; control levels of many electrolytes.	Evans 119
How are molars extracted from the horse's mouth?	Drilling into jaw above or below the affected tooth and tapping it out with a mallet or dental punch.	IVEH 342
How soon after ovulation can pregnancy be diagnosed by ultrasound?	11 - 14 days.	Evans 346

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Name two problems that premature foals can face at birth.	Not breathing - require oxygen and human assistance; body temperature 2 -3 degrees below normal - more susceptible to drafts, infections, & colds.	IVEH 603
What are the two genetic prerequisites that an animal must possess in order to be prepotent.	Dominance and homozygosity.	Ens 138
What will happen if a shoe nail is driven into the hoof past the white line?	The nail will either enter the sensitive structure or produce pressure resulting in lameness.	Ens 24
Which conformational defect interferes with movements that require work off the haunches such as stopping, turning and sliding?	Cow hocked.	HIH 230 - 6
What is the general rule for stirrup length and height of jumps?	The higher the jump is, the shorter the stirrup should be.	Ens 353
How many nails are usually put in a homemade horse shoe?	8 nails.	HIH 515-1
What term identifies the substance found 3/4 of an inch below the coronary band on the horse's hoof wall, bulbs, and blends into the frog?	Periople.	Evans, Borton et al, 694
Name the tendon responsible for the extension of the horse's hoof and pastern.	Digital extensor tendon.	Stashak, 269
What two nerves in the hind limbs are responsible for motor function of the horse by activating muscles that extend and flex the hock and stifle?	Tibial and peroneal.	Evans, Borton et al, 702

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is made possible by the action of bone levers, point hinges, and tendon cables, and the contraction of muscles?	Motion.	TN HBM
How many muscles control the movement of the horse's eyeball?	Seven.	Frandsen, 115-116
The navicular bone and bursa are associated with which tendon?	Deep flexor tendon.	Evans, Borton et al, 98
The blood supply to the foot is furnished by what two digital arteries?	Medial and lateral.	Evans, Borton, et al 706
What is osteomalacia?	Soft bones.	Veterinary Medicine, 590
What is the lining of the abdominal cavity called?	Peritoneum.	Frandsen, 32
How is the scapula attached to the vertebral column?	Muscular sling - by muscle; no bone connection.	Evans, Borton et al, 97
If something was said to be intercostal, where would it be located?	Between the ribs.	Veterinary Medicine, 586
What is the fluid-filled space between the iris and cornea called?	Anterior chamber.	Frandsen, 113

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
In what part of the body would one find the nictitating membrane?	In the eye (the haw or third eyelid).	Frandsen, 117
If a horse is sickle-hocked, excessive strain will be placed on what ligament?	The plantar ligament at the rear of the hock.	Evans, Borton et al, 154
The frontal, maxillary, nasal, sphenoid, and palatine bones give reference to what in the horse?	Sinuses.	Frandsen, 124
Name the seven joints in the hind quarter.	Sacro-iliac, hip, stifle, hock, fetlock, pastern, coffin.	Ev, Bort, all, 690-692
What is the purpose of the nictitating membrane in the horse?	To wipe foreign objects from the eye.	Evans, Borton et al, 126
A cataract is formed when what portion of the eye becomes opaque?	The lens.	Veterinary Medicine, 578
What is the difference between luxation and subluxation?	A partial dislocation of a joint is subluxation; complete is luxation.	Frandsen, 150-152
What is the name and function of the substance contained in the anterior chamber of the eye?	Aqueous humor - circulates through chambers, aiding nutrition and vision, retains shape of eye, refracts light.	Frandsen, 113
Specifically, what part of the foot produces the periople?	Periopic band (just above and concentric with the coronary band).	Frandsen, 393

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is the name of the cartilage trap that serves to prevent food from entering the larynx when swallowing occurs?	Epiglottis.	Evans, Borton et al, 105
If something was said to be interosseus, where would it be located on the horse?	Between bones.	Veterinary Medicine, 586
Define quality.	Refers to refinement in the horse and is expressed in the texture of the hair, hide, bones, and joints.	Evans, Borton et al, 13
When capitalized, what does Half-Bred mean?	Denotes a horse sired by a Thoroughbred and registered in the Half-Bred Stud Book.	Ensminger, 521
What is the name of the Thoroughbred ridden by General Custer in the Battle of Little Big Horn?	Vic.	Evans, Borton et al, 20
"Pounding" is a defect in way of going often associated with what conformation defect?	Straight shoulders and pasterns.	Evans, Borton et al, 181
A thin metal projection on the outside of a shoe that lies against the hoof to give extra hold to the shoe is what?	Clip.	Evans, Borton et al, 737
Name the condition in which cartilage in a growing foal does not properly convert to bone.	Osteochondrosis.	Stashak, 149
What types of genes are responsible for the size and distribution of the spots on a Leopard Appaloosa?	Modifier genes.	Evans, Borton et al, 497

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
The dilution gene affecting color is an example of what type of gene action resulting in an intermediate state but not an exact intermediate?	Partial dominance.	Evans, Borton et al, 459
Where was the Conestoga horse bred?	Southern Pennsylvania.	Evans, Borton et al, 9
Name the most probable consequence of a sudden overfeeding routine.	Colic or laminitis.	Ensminger, 283
What causes "big head" disease?	Excessive phosphorus and low levels of calcium.	Lewis, 32
What are maltase, sucrose, lactase, and what specifically does each of them act upon?	They are sugar digesting enzymes: Maltase breaks down maltose, sucrose breaks down sucrose, and lactase breaks down lactose.	TN HBM
The percentage of water and sugar in mare's milk is higher than that of cow's milk. Name two components in which the mare's milk is lower.	Protein, fat, digestible energy, and total solids.	Lewis, 341t
The Great Lakes Basin, Rocky Mountains, Northern Great Plains, upper Mississippi Valley, and the Pacific coast regions of North America are all deficient in iodine which may result in what?	Hypothyroidism (goiter, cretinism, and myxedema).	Lewis, 46
What is an aiken?	A jump consisting of parallel bars with brush in the middle.	TN HBM
For what reason might your horse wear a bar shoe?	For contracted heels or navicular lameness.	Emery, 177

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
What is polycythemia?	Too many red blood cells.	Veterinary Medicine, 591
What is necrosis?	Death of cells or body tissue while the body is still alive.	Veterinary Medicine, 589
What are the names for the actions of the heart's chambers?	Systole and diastole.	Vet Med, 580 & 594
Overexertion of a muscle without adequate conditioning can lead to the depletion of what in the muscle?	Glycogen.	TN HBM
What is the inability to use certain muscles due to damage to or pressure upon a nerve?	Neural paralysis.	Veterinary Medicine, 590
What is the function of the papillae layer on the horse's foot?	To maintain moisture in the wall of the hoof.	Ensminger, 29
What does the urachus do?	Takes the urine away from the foal during pregnancy.	Evans, Borton et al, 341
What is a digital pulse?	Wave of blood flow in the digital arteries leading to the foot.	TN HBM
What part of the horse would be inflamed if it had desmitis?	Ligament.	Veterinary Medicine, 580

All Senior Questions

<i>Question</i>	<i>Answer</i>	<i>Source</i>
Where would you find something periarticular?	Near or around a joint.	Veterinary Medicine, 590
What is the purpose of the Vesicular, Prostate, and Bulbourethral glands in the male reproductive system?	They secrete fluids to aid in sperm nutrition and transport.	Evans, Borton et al, 360
What is the name of the yellow-brown disc-like structure found in the placental fluids after parturition?	Hippomane.	Evans, Borton et al, 342
Name the three membranes of the placenta.	Amnion, allantois, chorion.	Evans, Borton et al, 341
Name three methods of castrating horses.	Primary closure method; closed technique; open technique.	Evans, Borton et al, 386