Name Contest Senior Written Exam (200 points = 2 pts/question)					
<b>Directions:</b> Please bubble your answers on the <u>BLUE</u> side of your scantron sheet <b>be sure to bubble in your contestant number in the student ID section</b> Please circle your answers on this test and turn it in with your					
completed sc	antron.	You can make other marks on this	test if you wish.		
1.			•	t is responsible for final maturation of the	
		, induction of ovulation, and initiation	•		
		Luteinizing hormone Follicle stimulating hormone	d.	Estrogen Gonadotropin releasing hormone	
2.	Any bir	th less than how many days is consid	ered premature in	horses?	
	a.	275 days	<mark>C.</mark>	320 days	
	b.	300 days	d.	335 days	
3.	A mare	that is bred should have a minimum	body condition scc	re of what?	
	a.		C.	7	
	<mark>b.</mark>	<mark>.5</mark>	d.	9	
4.	What is	s the heart rate of a foal in the first da	ays of life?		
	a.	10-12 beats per minute	C.	50-66 beats per minute	
	b.	30-40 beats per minute	<mark>d.</mark>	70-100 beats per minute	
5.	How lo	ng does it take for a foal's immune sy dies?	stem to become fu	nctional and able to produce	
	a.	1-2 weeks	<mark>c.</mark>	2-4 months	
	b.	3 weeks	d.	6 months	
6.		nant mare does not require any addit nancy?	ional nutrients thro	ough the first how many months	
	a.	5 months	C.	7 months	
	b.	6 months	<mark>d.</mark>	8 months	
7.	Microb	es in the cecum and large intestine b	reak down fibrous	feedstuffs into what?	
	a.	Essential amino acids	C.	Ascorbic acid	
	b.	Volatile fatty acids	d.	Carbohydrates	
8.	91-100	% of Thoroughbred racehorses in tra	ining have what dis	order?	
	a.	Osselets	c.	Ulcers	
	b.	Epistaxis	d.	Quarter cracks	

9. What	is the ideal moisture level at which hay should be balo	ed?	
a.	1-2%	c.	<b>17-20%</b>
b.	5%	d.	40-45%
10. Which produ	of the following is a warm season grass that is suitab	le fo	or both grazing and hay
a.	Tall fescue	c.	Wheatgrass
b.	Birdsfoot trefoil	d.	Bermudagrass
11. Foxglo	ve, oleander, and lily of the valley all contain toxins k	now	n as what?
<mark>a.</mark>	Cardiac glycosides	c.	Cantharadins
b.	Tannins	d.	Dicumerols
12. What	type of cinch is the crossbuck pack saddle usually rigg	ed f	or?
a.	Single-cinch	c.	Triple-cinch
<mark>b.</mark>	Double-cinch	d.	None of the above
13. Which	of the following is an improper use of the word "trac	e?"	
<mark>a.</mark>	Clipping the horse's body except for the legs and t	he o	utline of the saddle area
b.	The lead horse when horses are driven in front of e	ach	other
C.	The leather bands on a harness by which pressure i	s tra	nsferred to the vehicle
d.	All are correct		
14. What	does black-type on a Thoroughbred sales catalog enti	ry de	enote?
a.	The horse was imported	c.	The horse is of age to run in the
<mark>b.</mark>	The horse is stakes winner		Kentucky Derby
		d.	The horse is a gelding
15. What	disease is transmitted to horses by a bite from an infe	ecte	d carnivore such as a skunk,
raccoo	on, fox, or dog? The infection is caused by a rhabdovir	us.	
a.	Distemper	c.	Rabies
b.	Strangles	d.	Tetanus
	stallion do horses with hyperelastosis cutis, also knov Il asthenia (HERDA), trace back to?	vn as	s hereditary equine regional
<mark>a.</mark>	Poco Bueno	c.	Zippo Pine Bar
b.	Impressive	d.	A.P. Indy
17 Mha	vas the foundation sire of the American Saddlebred?		
		_	luctin Morgan
a.	Janus	c.	Justin Morgan
b.	<b>Denmark</b>	d.	Black Hand No. 1

	a.	Steeldust	c.	Bulle Rock	
	b.	Byerley Turk	d.	Impressive	
19.	This typ	oe of insurance protects the insured from occurrence	es in	which the insured can be held	
	liable fo	or bodily injury or property damage.			
	a.	Care, custody, and control	c.	Property	
	b.	Liability	d.	Worker's compensation	
20.	This is a	a tough membrane that covers the bones throughou	t the	e body except for at their points	
	of artic	ulation.			
	a.	Peritoneum	c.	Periosteum	
	b.	Pleura	d.	Periople	
21.	What t	erm would describe a horse produced by a mating of	two	completely unrelated lines?	
	a.	Inbreeding	c.	Outcrossing	
	b.	Linebreeding	d.	Nicking	
22.	The for	earm of the horse is composed of two bones, the		and	
	<mark>a.</mark>	Radius; ulna	c.	Radius; olecranon	
	b.	Humerus; ulna	d.	Radius; humerus	
23.	What is	the name for a hinge joint?			
	a.	Diarthroses	c.	Enarthrosis	
	b.	<b>Ginglymus</b>	d.	Synovial	
24.	24. What drug is used in the treatment of navicular disease in an attempt to increase circulation to				
		ricular bone?			
		Digitalis	_	Banamine	
	b.	<u>Isoxsuprin</u>	d.	Phenylbutazone	
25.	What is	s the total range of vision for a horse?			
	a.	180 degrees	c.	280 degrees	
	b.	250 degrees	d.	350 degrees	
26.	26. What is the Flehmen response?				
	a.	Ability to see and sense danger from which it can run away			
		b. The process of a horse sensing fear from a person			
		When a horse curls its upper lip and holds its head			
	<ul> <li>d. What you are trying to prevent by desensitizing a horse</li> </ul>				

18. Who was the first Thoroughbred imported to the United States?

27. A dark-colored splotch on the basic coat color that is gener what?	ally	brown or red in color is known as
a. Flea bit	c.	Ink spot
b. Blood mark	d.	Dapple
28. Which of the following breeds is not affected by Hemophili	ia A?	
a. Thoroughbred	c.	Standardbred
<mark>b. Arabian</mark>	d.	Quarter horse
29. Which is not an ideal energy producing nutrient?		
a. Starch	c.	Fat
b. Sugar	<mark>d.</mark>	<b>Protein</b>
30. Which is true of essential amino acids?		
<ul> <li>a. They cannot be synthesized by the body</li> </ul>		
b. The can be synthesized by the body		
c. They are not needed by the animal		
d. They should not be added to the animal's diet		
31. Which is not a macro-mineral?		
a. Calcium	c.	<b>Zinc</b>
b. Sodium	d.	Chloride
32. Which of the modern horses was the first to have one toe?	)	
<mark>a. Pliohippus</mark>	c.	Merychippus
b. Equus	d.	Mesohippus
33. A hinny is the offspring that results from the cross of a		and a
<mark>a. Stallion; jenny</mark>	c.	Jack; mare
b. Stallion; mare	d.	Jack; jenny
34. What bones form the withers?		
a. Thoracic vertebrae and scapula	c.	Thoracic vertebrae and
b. Cervical vertebrae and scapula		humerus
	d.	Cervical vertebrae and humerus
35. Which color dominance statement is correct?		
a. Bay is dominant over black	c.	Black is dominant over gray
b. Chestnut is dominant over bay	d.	Brown is dominant over bay

36. Which is an internal parasite commonly found in adult horses?						
a.	Pinworms	c.	Bots			
b.	Large strongyles	d.	Threadworms			
27 M/h: -h	for electrific and the little back and the second and the later		atavia Francasiais 2			
	feedstuff is most likely to be contaminated with the	-				
	Corn	С.	Barley			
b.	Oats	d.	Rye			
38. What i	s stroke volume?					
a.	The amount of blood pumped by the ventricle					
b.	The amount of blood pumped by the atrium					
c.	The amount of blood traveling through the body at	any	given time			
d.	The amount of blood a horse can lose without having	ng a	stroke			
20 What i	s a complete feed?					
a.	Forage and concentrate in one feed					
b.	Has all of the concentrates in one feed					
C.	Has all of the forage in one feed					
d.	Meets the complete requirements for all horses					
u.	weets the complete requirements for all horses					
40. Where	is the primary site of nutrient absorption in the dige.	stive	e tract?			
a.	Stomach	c.	Large intestine			
<mark>b.</mark>	Small intestine	d.	Cecum			
/1 Which	shoe would most likely be used on a horse with navio	culai	r diseaseh			
a.	Heart bar	C.	Patten			
	Egg bar	d.	Hospital plate			
<u>ы.</u>	Lag var	u.	riospitai piate			
42. A farri	er tool used to cut off excess hoof growth is what?					
a.	Rasp	c.	Nippers Nippers			
b.	Clinchers	d.	Clippers			
12 What 6	stimulates a mare to begin her estrous cycles?					
	Lengthening daylight	•	Evposure to a stallion			
<mark>a.</mark>		C.	Exposure to a stallion			
b.	Warmer temperatures	d.	Shortening daylight			
44. Which	44. Which hormone induces parturition?					
a.	Progesterone	c.	Parturition hormone			
b.	Estrogen	d.	<b>Oxytocin</b>			

	a.	<u>Olecranon</u>	c.	Acetabulum
	b.	Gaskin	d.	Calcaneus
46. The	atl	as and axis are located in which region of the spinal	colu	mn?
	a.	Sacral	c.	Cervical
	b.	Lumbar	d.	Thoracic
47. Hor	ses	that huddle together during inclement weather are	disp	laying what type of behavior?
		Contactual		Allelomimetic
	b.	Epimeletic	d.	Et-epimeletic
		·		·
48. The	ch	ief movements of the shoulder joint are what?		
		Adduction and abduction	c.	Abduction and extension
		Adduction and flexion		Flexion and extension
49. The	ho	rse, like rabbits and guinea pigs, are classified as wh	ich o	of the following?
	а.		С.	
		Nonruminant herbivores	d.	_
	<b>.</b>	Troni anniane nerovores	u.	Simple Stomach ominvoics
50 Wh	at i	s the difference between perlino and cremello horse	·c?	
30. WIII	a.		.J:	
		Perlinos have lighter manes and tails		
		Cremellos are true albinos		
	a.	Perlinos have rust points		
E1 Dos	\+h	caused by totanus usually assure by what means?		
31. Dea		caused by tetanus usually occurs by what means?	_	Deisening
		Asphyxiation Starvation	C.	Poisoning
	b.	Starvation	d.	Paralysis
<b>5</b> 2 1				
52. In r		rence to the brain, what are sulci?		Considired calls
	a.	Grooves		Specialized cells
	D.	Convolutions	a.	Optic nerves
F2 11V			. 1	Miles I are a set the second set of
		s characterized as intermittent attacks of muscle wes	akne	ess. What causes these muscle
trer	mor	rs, weakness, or convulsions?		
	a. •	Prolonged periods of internal bleeding		
	b.	0		
	c.	1		
	d.	Degeneration of muscle cells		

45. The sacrum is caudal to which of the following?

54.	What is	s the scientific name of the bloodsucking stable fly?		
	<mark>a.</mark>	Stomoxys calcitrans	c.	Haematopinus asini
	b.	Gastrophilus intestinalis	d.	Bovicola equi
55.	Which	of the following parasite larvae infests the lungs of fo	oals î	?
	a.	Large strongyles	c.	Strongyloides
	b.	Pinworms	d.	Bots
56.	Which hosts?	of the following diseases are caused by a virus that u	ıtiliz	es birds or rodents as reservoir
		EEE	c.	EHV
		EVA		EAV
57.	Which	of the following elements is not always present in an	nino	acids?
	a.	Nitrogen	c.	Oxygen
	b.	Carbon	d.	Sulfur
58.	Polysad	ccharide-storage myopathy is one type of which gene	etic (	disorder?
	a.	Neonatal isoerythrolysis	c.	Rhabodmyolysis
	b.	Hyperkalemic periodic paralysis	d.	Equine degenerative
				myeloencephalopathy
59.	How m	any auditory ossicles are in each temporal bone?		
	a.	2	c.	6
	b.	3	d.	8
60.	The co	stal cartilage of the asternal ribs fuses to form what s	struc	cture?
	a.	Manubrium	c.	Xiphoid process
	b.	Costal arch	d.	Sternebrae
61.	In male	horses, what are the tubes that carry sperm from the		•
		Ampulla	c.	Seminiferous tubules
	<mark>b.</mark>	Vas deferens	d.	Ureters
62.		grazing may suffer a deficiency becaus		
		Alfalfa, calcium, blister beetles	c.	Sweet clover, vitamin K,
	b.	Bermudagrass, phosphorus,		<mark>dicumerol</mark>
		cyanide	d.	Prairie grass, vitamin C, tannins
63.		rmone stimulates the sweating response in horses.		
		<b>Epinephrine</b>		Adrenocorticotropic hormone
	b.	Insulin	d.	Cortisol

64. Which of the following is not a type of noseband designed to keep a horse's mouth shut?							
a. Cavesson	c. Flash						
b. Dropped	<mark>d. Bosal</mark>						
65. What two bones form the pelvic girdle?							
a. Ischium and axis	c. Ileum and coccyx						
b. Ischium and femur	d. Ischium and ileum						
66. For a feed to be considered a protein supplement, it need	s to have at least how much protein in						
it?							
a. >50%	c. >20%						
b. >30%	d. >15%						
67. What is the chief form in which carbohydrates are stored	in the body?						
a. Glucose	c. Lipid						
b. Glycogen	d. Protein						
68. What is the enzyme in the stomach that breaks down mos	t proteins to polypeptides, aiding in						
digestion?							
a. Trypsin	<mark>c. Pepsin</mark>						
b. Chymotrypsin	d. Amylase						
69. Which of these hormones produces a strong luteolytic act	ion and can be used to short-cycle a						
mare?							
a. Protesterone	<mark>c. Prostaglandins</mark>						
b. Estrogen	d. GnRH						
70. What term describes the death of cells or body tissue whil	·						
a. Nephrotic	c. Trophic						
b. Hyperosteosis	<mark>d. Necrosis</mark>						
71. Leydig cells in the stallion produce testosterone in the pre							
a. Luteinizing hormone	c. Estrogen						
b. Gonadotropin releasing	d. Follicle stimulating hormone						
hormone							
	look for the last to the						
72. How much would your 1,200 lb. horse consume if it was fe							
a. 15 lbs.	c. 24 lbs.						
b. 20 lbs.	d. 32 lbs.						

73.	73. A desirable paddock or exercise area devoid of vegetation or edible plants is generally termed what?					
	<mark>a.</mark>	Dry lot	c.	Stall		
	b.	Pasture	d.	Mud lot		
74.		hair coat is the result of a double dilution of chestnu				
	a.			Cremello		
	b.	Palomino	d.	Roan		
75.		oughbred racing terms, exercising a horse at a mode d to as a what?	rate	pace (2 minute mile) is typically		
	<mark>a.</mark>	Breeze	c.	Workout		
	b.	Sprint	d.	Wind		
76.	Which disease	term can be defined as relating to tissue changes that?	at af	fect a body part or accompany a		
	a.	Ophthalmological	c.	Bacteriological		
	<mark>b.</mark>	<b>Histopathological</b>	d.	Dermatological		
77.	Which	is responsible for lubricating the horse's joints?				
	a.	Interstitial fluid	c.	Synovial fluid		
	b.	Spinal fluid	d.	Saline		
78.	What is	s the first excrement of newborn foals called?				
		Amnion	c.	Periosteum		
		Meconium	d.			
79.	79. Which disease is characterized by swollen or abscessed lymph nodes, particularly those under or behind the jaw?					
	a.	Influenza	c.	Strangles		
	b.	Tetanus	d.	Encephalitis		
				•		
80.	80. What term describes a depression in a horse's shoulder due to atrophied muscles caused by a					
	nerve i			Company		
	a.	3	C.	Sweeney		
	b.	Stifled	d.	Hematoma		

Match the following signs of parturition to their usual time of occurrence.

- 81. Vulva becomes soft, loose, and relaxed (E)
- 82. Teats fill with a clear, watery
- 83. Relaxation evident on each side of the tailhead (B)
- 84. Secretions become cloudy and wax-like (D)
- 85. Distended udder (A)

secretion (C)

- A. 2-4 weeks before foaling
- B. 1-3 weeks before foaling
- C. 4-7 days before foaling
- D. 1-4 days before foaling
- E. ½-1½ days before foaling

Match the B vitamin to its corresponding number.

- 86. Riboflavin (B)
- 87. Niacin (A)
- 88. Pyridoxine (E)
- 89. Cobalamin (C)
- 90. Thiamin (D)

- A. No corresponding number
- B. B<sub>2</sub>
- C. B<sub>12</sub>
- D. B<sub>1</sub>
- E. B<sub>6</sub>

Match the feedstuff with its corresponding crude protein content.

- 91. Soybean meal (B)
- 92. Corn (E)
- 93. Grass hay (A)
- 94. Alfalfa hay (D)
- 95. Oats (C)

- A. 9%
- B. 44%
- C. 12%
- D. 17%
- E. 10%

Match the plant to its effect on the horse.

- 96. Russian knapweed (B)
- 97. Black walnut (C)
- 98. Oleander (E)
- 99. Red maple (D)
- 100. Tobacco (A)

- A. Teratogenic
- B. Neurotoxic
- C. Lameness-inducing
- D. Anemia-inducing
- E. Sudden death-inducing