KA

A. Endocrine

2016 North Carolina State 4-H Hippology Contest (200 points = 2 pts/question) Senior Division Exam

				Sellioi Division L	ланн			
		Name			-	ntestant ID #		
Dir	Directions: Please bubble your answers on your scantron sheet (starting with #51). You may write on this test, but it							
mu	st b	e turned in with your comple	eted	scantron.				
Mu	ltip	le Choice Section						
51.	Wł	nat is the name of the memb	rane	that covers the outside of	muso	cles?		
	A.	Tendons	B.	Fascia	C.	Peritoneum	D.	Cartilage
52.		e most important muscle res	pon	sible for respiration is:				
	A.	Diaphragm			C.	Lungs		
	В.	Intercostal muscles			D.	Abdominal muscles		
F 2						1: 1 2		
53.		nich of the following is not re	_				_	
	Α.	Bay	В.	Brown	C.	Chestnut	D.	White
- 1	\ A / I=				!:	*:		
54.		at is the term for an infectio						7
	Α.	Pandemic	В.	Epidemic	C.	Transanimosis	D.	Zoonosis
55	Wh	ich of these fills the cavities	of h	ones?				
55.		Bile		Blood	(Marrow	D	Melanin
	٠	blic	υ.	blood	C.	Wallow	υ.	Welamii
56.	Wh	ich is a macromineral?						
	A.	Zinc	В.	Selenium	C.	Calcium	D.	Magnesium
57.	Wh	ich of these describes the pa	so,	the natural gait of both the	Paso	Fino and the Peruvian Paso	?	
	A.	Two-beat lateral gait			C.	Four-beat lateral gait		
	B.	Two-beat diagonal gait			D.	Four-beat diagonal gait		
				1 1 1 1				
58.		ich of the following criteria f					_	
	A.	Concertation	В.	Motility	C.	Morphology	D.	Volume
59	\ \ /h	ich of the following is not ex	nec	ted to hannen within the fir	ct 3 k	nours of a foal's life?		
55.		It should stand	pcc	ted to happen within the m		It should nurse		
			_				hou	rc -
	D.	It should pass the meconium	11		D.	All should happen within 3	Hou	13
60.	Wh	ich of the following is the fu	nctio	on of the broad ligament?				
		Holds the scapula to the ver			C.	Suspends the uterus within	the	body cavity
	B. Is part of the bowstring effect				Attaches the sacrum to the		The second second second second second	
		P 8 8 8					,	-
61.	Wh	ich of the following is the firs	st st	ep in treating an abscess?				
	A. Soak the area in Epsom salt			C.	Open the affected area and	allo	w it to drain	
	В.	Administer bute			D.	Antibiotics		
62.		ich of these identifies a volu		TO VELTE				
	A.	Cardiac	В.	Respiratory	C.	Skeletal	D.	Smooth
63	\ \ /h	ich of these systems is resno	ncik	le for the chemical central	of th	e hody?		

B. Integumentary

C. Muscular

D. Reproductive

64.	The disease characterized by n A. Azoturia B. Tying up	nuscle mass being broken down	C.	strenuous exercise is: Exertional rhabdomyolysis All of the above		
65.	The endometrium is the musco A. Epididymis	osal lining of which organ? B. Vagina	C.	Testicle	D.	Uterus
66.	A. The rider choosing to not vB. The stable owner only postC. Negligence by the horse ov	ting the sign at one location	aw?			
67.		is a conformation defect involvi	30 Table 1			
	A. Maxilla	B. Mandible	C.	Temporal bone	D.	Scapula
68.	An inflammation of the tarsal s swelling is referred to as what?	ynovial membrane on the inside	fror	nt portion of the joint causin	gan	oticeable
	A. Bog spavin	B. Bone spavin	C.	Thoroughpin	D.	Road gall
69.	Which is the primary means th A. Water	rough which parasites are spread B. Manure		Soil	D.	Feed
70.	At which age do the permanen	t 1 st premolars erupt?				
	A. 1 to 2 months	B. 5 to 6 months	C.	1 to 2 years	D.	5 to 6 years
71.	The correct equine vertebral for	ormula is:				
•	A. C ₇ T ₁₈ L ₆ S ₅ Ca ₁₅₋₂₁	B. $C_7T_{18}L_9S_5Ca_{15-21}$	C.	$C_7T_{18}L_6S_8Ca_{15-21}$	D.	$C_7T_{13}L_6S_5Ca_{15-21}$
72.	Which is not a type of Buckskin	or Dun horse?				
	A. Grulla	B. Red dun	C.	Gold dun	D.	Brindle dun
72	\\/\bis\	i i2				
	Which is an example of an endo A. Pancreas	B. Testes	C.	Salivary glands	D.	Both A and B
				, Samuel (Samuel)		
	What are Type IIB muscle fibers	s used for?	_	Endurance		
	A. Speed at longer distancesB. Short and very fast bursts of	of energy	C. D.	Endurance Trail riding		

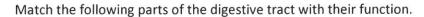
		ith a stride that is short, quick, h	75	0.272	_	F1 .
	A. Springy	B. Trappy	C.	Suspension	D.	Elegant
76.	What kind of worm can be pass	sed to a foal from the mare thore	ough	her milk supply?		
1	A. Strongyloides westeri			Oxyuris equi		
	B. Parascaris equorum		D.	Anoplocephala perfoliata		
	When introducing new horses i minimum of how many days?	nto a herd, biosecurity measure	s wo	uld include isolation the nev	v hor	rses for a
	A. 7 days	B. 10 days	C.	30 days	D.	14 days

78	. W	hat is applied to pastures to	adju	ist the soil pH?				
	A.	Phosphorus	В.	Lime	C.	Potash	D.	Nitrogen
79	. Ер	inephrine is a very importan	t ho	rmone for the horse in stres	s situ	uations and is produced by v	vhich	n organ?
	Α.	Pineal gland	В.	Kidneys	C.	Pituitary gland	D.	Adrenal gland
80	. Ho	ow many chambers is the hea	art c	omposed of?				
		2	В.		C.	4	D.	6
21	Th	e periople is located:						
01		At the frog			C	Along the coronary band		
		Along the white line				Inside the sole		
00	144							
82		hat is the term for a bit with		Fig. 1 - A 120 - 140	•		_	
	A.	Dr. Bristol	В.	French link	C.	Mullen mouth	D.	Slow twist
83.	W	nich type of cell is mainly res	pon	sible for spermatozoa develo	opmo	ent?		
-	A.	Sertoli	В.	Epithelial	C.	Leydig	D.	Ova
84.	Wł	nich condition is the most co	mm	on cause of abortions, stillbi	rths	and deaths of foals soon aff	ter h	irth2
		Septicemia		Infection		Suffocation		Influenza
85.		nich of these plants are toxic					-	
	Α.	Horsetail	В.	Nightshade	C.	Johnson grass	D.	All of the above
86.	The	e degree of flexion of the join	nts o	of the legs during movement	is kr	nows as:		
-	A.	Action	В.	Flare	C.	Engagement	D.	Roll
07	The	hin joint is an avamula of a		fa fa k				
07.	-	e hip joint is an example of a Ball and socket		Joint. Hinge	C	Pivot	D	Dlane
	Д.	ball and socket	ъ.	Tillige	C.	rivot	D.	Plane
88.		eart rate of 45 to 60 beats p						
		Elevated heart rate for a ne		orn foal		Adult horse during exercise		
	В.	Resting rate for an adult ho	rse	7	D.	Resting heart rate of a new	born	foal
89.	Thi	s disease is also known as M	egac	colon:				
	A.	Hemophilia			C.	Severe combined immunod	efici	ency
	B.	Lethal white foal syndrome	-1		D.	Hyperkalemic periodic para	lysis	
90	\//h	ich type of hay is highest in o	salci	um and protain?				
50.		Mixed hay		Grass hay	C	Legume hay	D	Timothy hay
		,			.	Legame nay	υ.	Timothy hay
91.		ich tendon runs over the dis	tal s	esamoid?				
		Deep flexor tendon				Superficial sesamoidian ten	don	
	В.	Extensor tendon			D.	Superficial flexor tendon		
92.	Wh	at is the minimum amount o	f for	rage required by a 1,000 pou	ınd h	norse?		
		5 to 10 pounds/day				15 to 20 pounds/day		
	В.	35 to 40 pounds/day			D.	45 to 50 pounds/day		

93. Which two bones come together to form the point of the shoulder?							
	A.	Humerus and radius		C.	Carpus and scapula		
	В.	Radius and ulna		D.	Scapula and humerus		
94.	Wh	nere would you find the Purl	kinje fibers?				
	A.	In the eye		C.	In the testicle		
	В.	In the kidney		D.	In the heart		
95.	Nar	me the hardest working join	nt in the horse's body.				
		Stifle	B. Hock	C.	Shoulder	D.	Sacroiliac
96.	The	e skeletal system of the hors	se functions as:				
50.		Levers, stores minerals, blo					
		Levers, protects organs, re					
			uscles, protects organs, and filte	rs fli	uid		
		Stores minerals and release		.15 110	nu .		
	υ.	otores minerals and release	es normones for growth				
97.	Wh	ich is <u>not</u> one of the key ref	erence points when conducting	body	y condition scoring?		
	A.	Withers	B. Ribs	C.	Tailhead	D.	Abdomen
00	\A/h	at is the host way to manag	ge manure to prevent non-point	cour	co nollution?		
		, , , , , , , , , , , , , , , , , , , ,	ge manure to prevent non-point		Place in landfill		
		Composting					
	В.	Pile on a slope		D.	Spread on pastures		
99.	Exte	ensor muscles and tendons	on the front legs do what?				
	A.	Flex the leg		C.	Provide cushion for landing	ŗ	
	B.	Straighten the leg		D.	None of the above		
100	. TI	hese endoparasites general	ly affect horses that are less tha	n 1 v	ear of age, as adult horses se	eem	to develop
		nmunity to these parasites a		,	ou. o. ugo, ao aa a		to develop
		Small strongyles	, 0	C.	Oxyuris		
		Ascarids			Habronema		
101	. W	/hat type of organs are the					
	A.	Alimentary	B. Sensory	C.	Digestive	D.	Excretory
102	. w	/here did the Connemara br	reed originate?				
		England	B. Ireland	C.	Scotland	D.	Wales
		CONTRACTOR OF THE PARTY OF THE	ould be a good choice for a hors			ith a	allergies?
		Shredded newspaper			Flax straw		
	В.	Chopped oats		D.	Wood shavings		
104	. W	/hat is the term for the accu	umulation of excessive synovial	fluid	in the joint capsule of the fe	lock	(?
	A.	Fetlockitis	B. Bog spavin	C.	Wind puffs	D.	Sesamoiditis
105	. TI	ne suspensory apparatus is i	important for holding which joir	nt?			
		Stifle	B. Hock		Coffin	D.	Fetlock
			CHATTE TAKE	200000	VCSV577770579450	-	and the second s

106.	Which part of the digestive t	ract	has the largest capacity?				
A.	Colon	В.	Esophagus	C.	Small intestine	D.	Stomach
107.	If a stallion that is heterozygo	ous 1	for a specific trait is bred to	a ma	are that is also heterozygous	for	the same trait,
	what is the chance that the c				,,		,
Α.	25%	B.	50%	C.	75%	D.	0%
108.	Which term describes the site	e on	the ovary where ovulation	occu	ırs?		
Α.	Ovulation spot			C.	Ovulation foramen		
В.	Ovulation divot			D.	Ovulation fossa		
109.	Which enzyme is produced ir	the	fundus of the stomach and	help	os break down proteins?		
A.	Hydrochloric acid			C.	Lysine		
В.	Pepsin			D.	Amylase		
110.	Which of these happens at th	e er	nd of the first stage of partu	ritio	n?		
	The cervix dilates			200	The first water bag breaks		
В.	The foal is expelled			D.	The mare walks the stall ar	ιχίοι	ısly
111 \	Which of these matings woul	d ha	most likely to result in a na	lomi	ing fool?		
	Palomino x Palomino	u be	illost likely to result ill a pa		Palomino x Cremello		
	Chestnut x Palomino				Chestnut x Cremello		
σ.	chestrae x r diomino			D.	Chestriat & Cremeno		
112. \	Which of the following is not	con	sidered a nuisance habit?				
A.	Stall walking	В.	Pawing	C.	Cribbing	D.	Tail rubbing
113. \	What is another term for aero	pha	ngia?				
A.	Pneumovagina	В.	Heaves	C.	Windsucking	D.	Roaring
114. \	What is the third set of inciso	rs ca	alled?				
A.	Cups	В.	Centrals	C.	Caps	D.	Corners
115 \	Mhat doos hady condition so	- rin	z analyza 2				
	What does body condition sco Overall weight	(TEE)	Fat deposition	C	Muscle quality	D	Aerobic fitness
,	overall weight	U.	Tut deposition	C.	wascie quanty	D.	Actobic littless
	quine sweat is said to be hyp	erto	onic. What does this mean?				
A.	It contains sodium						
В.	It contains potassium						
and the second	It can lead to muscle weakn	ess	with substantial sweat loss				
D.	All of the above						
117. V	117. When a stimulus causes a horse to respond in a manner that has been taught through practice, it is called a:						
A.	Controlled stimulus			C.	Created stimulus		
В.	Conditioned stimulus			D.	Coordinated stimulus		
118. T	118. Treatment for what external parasite includes ear nets and petroleum jelly in the ears?						
A.	Face flies				Mosquitoes		
В.	Buffalo gnats			D.	None of the above		

Matching



119. **B** Cecum

120. C Large colon

121. D Small colon

122. A Esophagus

A. Peristalsis

B. Fermentation

C. Water absorption

D. Fecal ball formation

Match the following drugs to their descriptions.

123. 6 Acepromazine

124. ____ Phenylbutazone

125. A Lidocaine

126. <u>E</u> Digitalis

127. Prednisone

- A. A local anesthetic used to numb regions of the body for pain relief or surgical procedures
- B. The trade name for a commonly used tranquilizer
- C. The generic name for an odorless, white, anti-inflammatory powder used in the treatment of joint, bone, and muscle injuries and disorders, as well as wounds
- D. A generic name of a steroidal anti-inflammatory agent often used to treat horses with allergies
- E. A medication derived from the foxglove plant that is used to increase the strength of the heart contraction during heart failure

Match the following drugs to their descriptions.

128. E Ivermectin

129. A Isoxuprin

130. <u></u> Lasix

131. Diazepam

132. _ C Phenobarbital

- A. A drug used in the treatment of navicular disease in an attempt to increase circulation to the navicular bone
- B. The trade name for furosemide, a drug having a strong, prompt and short-lived diuretic action. It tends to lower blood pressure, especially in the lungs, and is sometimes used to prevent epistaxis in racehorses.
- C. A crystalline barbiturate commonly used as a sedative
- D. A tranquilizer and anticonvulsant used in horses, also known as Valium
- E. The generic name for a paste form of an antiparasitic agent

Match the following hormone to the organ that secretes it.									
133. C Insulin	A.	Testes							
134. E Thyroxine B. Uterus									
135. D Estrogen C. Pancreas									
136. A Androgens D. Ovarian follicle									
137. B Pregnant Mare Serum Gonadotropin	Ε.	Thyroid							
Match the following classifications of mares to their definitions.									
138. <u></u> Maiden									
139. A Lactating									
140. <u>E</u> Open									
141. C Pregnant									
142. D Barren									
									
A. A mare that is nursing a foal									
B. A mare that has never been bred									
C. A mare that is in foal									
D. A mare that is not pregnant, but was bred in the previous or cur	ren	t season							
E. A mare that is not pregnant and was not bred in the previous or									
Match the following suffixes to their meanings.									
water the following surfixes to their meanings.									
143. <u> </u>	A.	Development							
144 <mark>^</mark> pathy	B.	Disease							
145 <mark>A</mark> -trophy	45. A -trophy C. Tumor								
146. <u>D</u> -logy	D.	Study of							

A. Tail

C. Life

D. Skull

B. Blood

Match the following prefixes to their meanings.

147. <u>C</u> Bio-

148. A Caud-

149. **D** Cranio-

150. _ _ _ Hemato-