

## 2016 National FFA Livestock Evaluation Career Development Event – Exam Key

1.	•	tool to help develop rations is called the (P170) Punnet Square
	b.	Parson Square
	c.	Pearson Square
	d.	Ration Square
2.	The _	goat originated in the Eastern Cape Province of South Africa and is
note	d for b	eing superior to Spanish goats for meat production. (P528-529)
	a.	Bore
	b.	Boar
	c.	Baer
	d.	Boer
3.	Vitan	nins D and E are examples of (P133)
	a.	Water Soluble Vitamins
	b.	Fat Soluble Vitamins
	C.	Trace Vitamins
	d.	Macro Vitamins
4.	In ord	der from least to most complex, structures in animals include: (P105)
	a.	Systems-Organs-Tissues-Cells
	b.	Cells-Tissues-Organs-Systems
	c.	Tissues-Cells-Systems-Organs
	d.	There is no difference in these terms or structures.
5.	Mode	ern <i>Bos Taurus</i> are descended from the Celtic Shorthorn and the (P5)
		Auroch
	_	Bos Indicus
	С.	Galloway

d. Markours

6.	Α	ration is one that has all necessary nutrients in the correct
prop	ortions	an amounts. (P159)
	a.	Nutritious
	b.	Balanced
	C.	Palatable
	d.	Perfect
7.	All ve	rtebrate farm animals have an (P 107)
	a.	Hydraulic skeleton
	b.	Endoskeleton
	C.	Exoskeleton
	d.	Epithelial skeleton
8.	a.	rimary energy nutrient in animal rations is/are (P131)  Protein
		Minerals
		Amines
	d.	Carbohydrates
9.	Thou	ght to be linked to a recessive gene, is most prevalent in
heavi	ly mus	cled pigs and can be reduced through the selection of breeding stock. (P463)
	a.	PSS
	b.	SPS
	C.	SSP
	d.	PPsV
10.	Skele	tal muscles typically attach to bones by (P110)
	a.	Tendons
	b.	Ligaments
	C.	Osseins
	d.	Smooth Muscles
11.	Main	tenance rations provide energy for the functioning of the heart, breathing, and
other	vital p	processes. These activities are referred to as (P161)
		Baseline Metabolism
	b.	Diaphoretic Metabolism
		Critical Metabolism
	d.	Basal Metabolism

12.	<b>a.</b> b. c.	ninants the true (gastric) stomach is called the (P124)  Abomasum  Rumen  Omasum  Reticulum
13. requ		is a synthetic source of Nitrogen that can help meet the amino acid ts of ruminants. (P133)
		Alenine
		Glycine
		Uric Acid
	a.	Urea
14.	An ex	ample of a Water Soluble Vitamin would be (P133)
		Vitamin A
	b.	Alpha Tocopherol
	c.	Vitamin K
	d.	Vitamin C
		mammalian circulatory system, blood returns to the heart via the anterior and
poste		ena cava and enters the first. (P114)  Left Atrium
		Right Atrium
		Left Ventricle
		Right Ventricle
1.0		have the high set array welve (D122)
16.		have the highest energy value. (P132)
		Carbohydrates Minerals
		Fats
		Proteins
17.	The u	se of antimicrobial drugs at a lower dosage than would be used for sick animals
is ref		o as (P140)
		Subclinical
		Subtheraputic
		Nutrient Sparing
	d.	Anthelmintics

<ul> <li>18. Livestock feeds that have greater than % crude fiber are called roughages and those with less are called concentrates. (P 158)</li> <li>a. 12.5</li> <li>b. 14</li> <li>c. 16</li> <li>d. 18</li> </ul>
<ul> <li>19. All quadrupedal (four legged) farm animals are part of the class (P10)</li> <li>a. Aves</li> <li>b. Chordata</li> <li>c. Suidae</li> <li>d. Mammalia</li> </ul>
20 carry an important function in society because they are best suited to convert large quantities of roughages not consumable by humans into food for human consumption. (P 11)  a. Non-Ruminants  b. Ruminants  c. Psuedo-Ruminants  d. Avians
21. Bovine Spongiform Encephalopathy is very similar to in sheep and goats. (P336)  a. BRSV  b. Scrapie  c. Spider Lamb Syndrome d. Creutzfeldt-Jakob Disease
22. Rapid fermentation caused by overfeeding of legumes and other feeds is the primary cause of bloat in (P351, 555)  a. Ruminants b. Non-Ruminants c. Pseudo-Ruminants d. Non-Ungulates

23.	A con	made from dried and			
groui	<b>a.</b> b. c.	Tankage Truckage Shrinkage Pupilage	om sida	ighterhouses. (P 158)	
24.	a. b. <b>c.</b>	verage normal t 101.5 102.0 <b>102.6</b> 103.6	tempera	ture for swine is	_ °F. (P 447)
25 refers to substances and bloodstream. (P117)		breaking down feedstuffs into smaller (simpler) refers to taking those substances into the			
	b. c.	Digestion :: Ab Absorption :: D Digestion :: Ma Mastication :: I	Digestion Astication	n n	