



**2017 National FFA
Livestock Evaluation
Career Development Event Exam - KEY**



- 1) Beef cattle fed in an area with a deficiency in _____ may develop white muscle disease. (Page 354)
a) Selenium
b) Manganese
c) Copper
d) Cobalt

- 2) The best method to reduce porcine stress syndrome is careful _____.
(Page 463)
a) Selection
b) Vaccination
c) Medication
d) Remediation

- 3) _____ primarily affects younger pigs and is caused by a lack of Iron in the diet. (Page 461)
a) Alemia
b) Alopecia
c) Adonema
d) Anemia

- 4) When balancing a ration without the use of computers, a _____ Square is a useful tool for performing calculations. (Page 170)
a) Pearson
b) Punnet
c) Parson
d) Parker

- 5) Most nutrients are absorbed in the _____. (Page 126)
a) Pylorus
b) Small Intestine
c) Large Intestine
d) Cecum



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- 6) The _____ System is responsible for the production of hormones.
(Page 117)
- a) Lymphatic
 - b) Endocrine**
 - c) Nervous
 - d) Circulatory
- 7) Simple carbohydrates are often referred to as _____. (Page 131)
- a) Cellulose
 - b) Nitrogenous Bases
 - c) Amino Acids
 - d) Nitrogen Free Extracts**
- 8) _____ are sometimes used in animal feeds to control worms. (Page 142)
- a) Hormones
 - b) Ionophores
 - c) Coccidiostats
 - d) Anthelmintics**
- 9) If too little of certain minerals are available, symptoms of a deficiency can occur. If too much of mineral is fed, the animal can develop a _____.
(Page 134-135)
- a) Goiter
 - b) Toxicity**
 - c) Xerophthalmia
 - d) Pellagra
- 10) Vitamins are classified as fat or water soluble. The four fat soluble vitamins are _____. (Page 133)
- a) A, D, E, and K**
 - b) C, B1, B2, and B12
 - c) A, B, C, and D
 - d) Folic Acid, Thiamine, Riboflavin, and Biotin



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- 11) What Kingdom and Phylum do beef, sheep, and swine belong to?
(Page 9-10)
a) Animalia : Chordata
b) Chordata : Vertebrata
c) Vertebrata : Mammalia
d) Animalia : Mammalia
- 12) Made of amino acids, _____ are particularly critical in animals who are growing or in gestation. (Page 132)
a) Carbohydrates
b) Minerals
c) Vitamins
d) Proteins
- 13) Among beef cattle, *Bos* _____ originated in Europe and the British Islands and *Bos* _____ came from more tropical climates. (Page 5)
a) Taurus : Indicus
b) Bovidae : Indicus
c) Taurus : Bovidae
d) Indicus : Taurus
- 14) In blood, _____ is/are responsible for the transport of Oxygen and Carbon Dioxide. (Page 116)
a) Hemoglobin
b) Platelets
c) White Blood Cells
d) Plasma
- 15) Boer goats originated in _____. (Page 528)
a) South Africa
b) South America
c) Kenya
d) Liberya



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- 16) Chronic wasting disease in deer, _____ in sheep, and Creutzfeldt-Jakob disease are all similar to mad cow disease. (Page 336)
- a) Enteritis
 - b) Scrapie**
 - c) Spider-Lamb Syndrome
 - d) Trichomonias
- 17) Of the following, the only digestive structure not found in all livestock species (beef, sheep, and swine) is the _____. (pages 119-125)
- a) Stomach
 - b) Small Intestine
 - c) Cecum
 - d) Reticulum**
- 18) Milk fever is caused by a lack of _____ in the blood. (Page 556)
- a) Selenium
 - b) Iron
 - c) Cobalt
 - d) Calcium**
- 19) _____ is a disease in sheep and goats that is also known as overeating disease. (Page 551)
- a) Vibriosis
 - b) Enterotoxemia**
 - c) Urinary Calculi
 - d) Campylobacteriosis
- 20) Complex carbohydrates include _____ and lignin. (Page 131)
- a) Cellulose**
 - b) Nitrogenous Bases
 - c) Amino Acids
 - d) Nitrogen Free Extracts



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- 21) Rambouillet and Debouillet sheep are classified as _____ breeds.
(Page 497)
a) Carpet Wool
b) Fine Wool
c) Medium Wool
d) Long Wool
- 22) Striated muscles are _____ while smooth muscles are _____.
(Page 109-111)
a) Involuntary : Voluntary
b) Voluntary : Involuntary
c) Myophillic : Voluntary
d) Involuntary : Myophillic
- 23) Most livestock domestication probably took place in the _____ age.
(Pages 5-7)
a) Paleolithic
b) Neolithic
c) Mesolithic
d) Epilithic
- 24) When a feed is dry and the crude fiber is more that 18% the feed would be called a _____ but if it is less than 18% it is called a _____.
(Page 158)
a) Legume : Roughage
b) Roughage : Concentrate
c) Concentrate : Roughage
d) Concentrate : Legume
- 25) The average body temperature for swine is _____ degrees F.
(Page 447)
a) 102.0
b) 102.6
c) 103.6
d) None of These