



**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.
 - a) Selenium
 - b) Manganese
 - c) Copper
 - d) Cobalt

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

- 3) _____ primarily affects younger pigs and is caused by a lack of Iron in the diet.
 - 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.
 - a) Pearson
 - b) Punnet
 - c) Parson
 - d) Parker

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



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- 6) The _____ System is responsible for the production of hormones.
- a) Lymphatic
 - b) Endocrine
 - c) Nervous
 - d) Circulatory
- 7) Simple carbohydrates are often referred to as _____.
- a) Cellulose
 - b) Nitrogenous Bases
 - c) Amino Acids
 - d) Nitrogen Free Extracts
- 8) _____ are sometimes used in animal feeds to control worms.
- 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 _____.
- a) Goiter
 - b) toxicity
 - c) Xerophthalmia
 - d) Pellagra
- 10) Vitamins are classified as fat or water soluble. The four fat soluble vitamins are _____.
- 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?
- 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.
- 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.
- 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.
- a) Hemoglobin
 - b) Platelets
 - c) White Blood Cells
 - d) Plasma
- 15) Boer goats originated in _____.
- a) South Africa
 - b) South America
 - c) Kenya
 - d) Liberia



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- 16) Chronic wasting disease in deer, _____ in sheep, and Creutzfeldt-Jakob disease are all similar to mad cow disease.
- 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 _____.
- a) Stomach
 - b) Small Intestine
 - c) Cecum
 - d) Reticulum
- 18) Milk fever is caused by a lack of _____ in the blood.
- a) Selenium
 - b) Iron
 - c) Cobalt
 - d) Calcium
- 19) _____ is a disease in sheep and goats that is also known as overeating disease.
- a) Vibriosis
 - b) Enterotoxemia
 - c) Urinary Calculi
 - d) Campylobacteriosis
- 20) Complex carbohydrates include _____ and lignin.
- 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.
- a) Carpet Wool
 - b) Fine Wool
 - c) Medium Wool
 - d) Long Wool
- 22) Striated muscles are _____ while smooth muscles are _____.
- a) Involuntary : Voluntary
 - b) Voluntary : Involuntary
 - c) Myophillic : Voluntary
 - d) Involuntary : Myophillic
- 23) Most livestock domestication probably took place in the _____ age.
- 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 _____.
- a) Legume : Roughage
 - b) Roughage : Concentrate
 - c) Concentrate : Roughage
 - d) Concentrate : Legume
- 25) The average body temperature for swine is _____ degrees F.
- a) 102.0
 - b) 102.6
 - c) 103.6
 - d) None of These