

PRACTICE ROUND ONE:

TOSS UP QUESTIONS ROUND 1 (10 pts each):

1. To be depreciable, an asset must have a useful life of more than how many years?
A. *1 year*
2. A survey to determine and define land ownership and boundaries is called what?
A. *Cadastral survey*
3. According to the USDA, what is the proper temperature to cook whole cuts of meat at?
A. *145 degrees (Fahrenheit)*
4. What is the structure in a cell nucleus that stores and transmits genetic information?
A. *Chromosome*
5. What does "WOTUS" stand for?
A. *Waters of the Unites States*
6. How many families are members of Farm Bureau in Kansas?
A. *106,379*
7. In the water cycle, by what process is water returned to the atmosphere?
A. *Evaporation*
8. The proper term to describe dry corn or sorghum residue after the grain has been harvested is called what?
A. *Stover*
9. Expenses that are incurred to conduct business within an enterprise are called what type of expense?
A. *Operating*
10. What supplies the electrical power and rectifies its current mechanically by using a commutator and brushes?
A. *Generator*
11. After an area has been deemed a confined space, the existence of the following atmospheric hazards is to be determined according to OSHA. Name one of the three atmospheric hazards.
A. *Oxygen, combustible gases and vapors, toxic gases and vapors*
12. In what part of whole milk are most of the off-flavors found?
A. *Butterfat*
13. The Transatlantic Trade and Investment Partnership are the trade negotiations happening between the United States and who?
A. *European Union*
14. Who is the vice president of Kansas Farm Bureau?
A. *Jeff Grossenbacher*
15. Which soil texture, if in high amounts would lead to poor soil structure?
A. *Sand*
16. The primary form of stored energy found in the endosperm of the seeds of cereal crops is what?
A. *Carbohydrate*
17. The economic term used to describe a consumer's satisfaction with a product is what?
A. *Utility*
18. What is an infertile female calf born as a twin to a fertile male calf called?
A. *Freemartin*

19. What soil textural class is the most benefited from the application of manure?
- A. Sandy
20. Why is agricultural lime added to soil in regards to pH?
- A. *To increase the pH of acidic soil*

PRACTICE ROUND TWO ND TWO

ROUND TWO TOSS UP QUESTIONS (10 POINTS EACH):

1. What type of option gives the buyer the right, but not the obligation to sell the underlying futures at the strike price?
A. *Put option*
2. What is the term for roof framework units, assembled on the ground at the building site or at a factory?
A. *Truss*
3. When using straight ladders it's recommended to set the base one foot out from the wall for every four feet up. What is this rule called?
A. *4 to 1 rule*
4. Which method of slaughter, meat processing and handling follows Jewish dietary laws?
A. *Kosher*
5. How many billions of dollars do honey bees contribute to the U.S. agricultural economy?
A. *15 billion*
6. In 1993, Kansas Farm Bureau established a political fund to support the campaigns of pro-agriculture candidates for federal and state office. What is the name of this fund?
A. *Vote FBF*
7. What is the name of the erosion caused by channels that form from water erosion that are large enough that tillage equipment cannot be pulled through?
A. *Gully erosion*
8. Name one of the two components of the cell are found in plant cells but not animal cells.
A. *Cell walls, plastid (chloroplast)*
9. What measures whether there is sufficient adjusted revenue to cover family living expenses, income, and FICA taxes, and total principle and interest on term debt?
A. *Repayment capacity*
10. Pistons are now made of a material that is light weight and has a high conductivity of heat. What is this material?
A. *Aluminum alloy*
11. Name a clothing material that is acceptable to wear while welding.
A. *Cotton, leather, wool, Nomex*
12. In the United States, growth-promoting implants are approved for use in what two species?
A. *Cattle and sheep*
13. The livestock industry often receives scrutiny for greenhouse gas emissions, when in fact agriculture makes up only 10% of total US emissions. What economic sector leads the US in total emissions?
A. *Industry (manufacturing)*
14. What is the name of Kansas Farm Bureau's podcast?
A. *Inside Ag*
15. What occurs when heritable traits that increase an organism's chances for survival are passed from one generation to the next?
A. *Adaptation*

16. Which primary fertilizer element most often causes purple color of lower leaves if not in adequate amount?
A. *Phosphorus*
17. In commodity trading, when a trader has run out of money in their margin account, and must put more in to meet trading costs, what is this called?
A. *Margin call*
18. A group of cats is called a _____.
A. *Bevy*
19. Pollution that can be traced back to a specific source is known as what?
A. *Point source pollution*
20. A normal percent of oil extracted from soybeans is what?
A. *20%*

PRACTICE ROUND THREE

ROUND THREE TOSS UP QUESTIONS (10 POINTS EACH):

1. Products that could be sold together are considered to be what?
A. *complimentary*
2. What kind of switch would one use for a 240 volt switch circuit?
A. *Double pole*
3. For safety reasons, what solvent should never be used when cleaning small engines?
A. *Gasoline*
4. The branch of the federal government assigned to protect the animal and plant industries of the United States is the:
A. *APHIS (Animal and Plant Health Inspection Service)*
5. How many billions of dollars does Cuba import in agricultural products annually from the United States?
A. *2 billion*
6. Farm Bureau offers a reward to anyone providing information leading to the arrest of a vandal, thief, or arsonist who has harmed Farm Bureau member property. How much is this reward?
A. *\$1,000*
7. What type of soil conservation replaces nutrients in soil, and helps to insure vegetative cover?
A. *Applying fertilizer*
8. What is the female reproductive structure in a flower?
A. *Pistil*
9. What is the name of an expense that has been incurred but not yet paid?
A. *Account payable*
10. What welding agency or entity does the acronym AWS identify?
A. *American Welding Society*
11. What is the easiest way to avoid combustion of hay storage?
A. *Limit moisture content*
12. Which one of the cow's four stomach compartments is known as the "fermentation vat"?
A. *Rumen*
13. Who is the Kansas Secretary of Agriculture?
A. *Mike Beam*
14. KFB recognizes families who have distinguished themselves through participation in Farm Bureau, and their communities. What is the name of this award?
A. *Farm Family of the Year*
15. Clay soils would most likely be deficient in what primary macronutrient?
A. *Nitrogen*
16. What results from crossing parents of different genotype for a trait?
A. *Hybrid*
17. What type of financial statement contains a list of assets, liabilities, owner equity and their relationship to each other?
A. *Net worth*
18. What organ is monitored at slaughter for residual drug levels?
A. *kidney*

19. What is the function of most bacteria in the food web?

A. *Decomposers*

20. What is the name of the fertilizer application method when UAN liquid fertilizer is injected into a center pivot sprinkler irrigation system?

A. *Fertigation*

PRACTICE ROUND FOUR

ROUND FOUR TOSS UP QUESTIONS (10 POINTS EACH):

1. The amount of good or service consumers are willing to purchase is called what?
A. *demand*
2. Wheel slip should not exceed what percent under normal conditions?
A. *15%*
3. What are CCPs?
A. *Critical control points*
4. The sudden death of heavily muscled hogs is referred to as what?
A. *Porcine Stress syndrome*
5. What does GMO stand for?
A. *Genetically modified organism*
6. KFB members have the opportunity to participate in CMS training, a program to help train members to advocate for agriculture through personal testimony. What does CMS stand for?
A. *Communications, Media, and Spokesperson*
7. The buildup of plant nutrients in a body of water, which leads to excessive algae growth, is called what?
A. *Eutrophication*
8. Name one of the two basic concepts of ecosystem function.
A. *Energy flows, nutrient cycle*
9. The degree to which a farm's assets adequately secure its debts is referred to as what?
A. *Solvency*
10. What is a common air to fuel ratio in a small engine?
A. *100-1*
11. Name the three components of the Fire Triangle.
A. *Fuel, heat (spark), and oxygen*
12. Mating animals of the same breed is referred to as what?
A. *Straightbreeding*
13. Governor Laura Kelly signed Housebill 2167 in April of 2019, which opened the door to Kansas for what industrial fiber and oil crop?
A. *Hemp*
14. This position in Kansas Farm Bureau focuses on membership support, event planning, and ag education at the county level. What is the title of this position?
A. *County coordinator*
15. Plants that undergo the process of nitrogen-fixing by absorbing nitrogen gas and converting it to nitrates are known as what?
A. *Legumes*
16. What is the class of chemicals that contain caffeine, nicotine, cocaine, and ephedrine, and is also present in nightshade plant family?
A. *Alkaloids*
17. What is the payment to an insurance company by a policyholder to purchase and maintain an insurance policy?
A. *Premium*

18. What tool can be used to balance a feed ration without the use of computers?
A. *Pearson square*
19. What is a legally defined invasive plant species?
A. *Noxious weed*
20. What is the name of the mechanism by which chemical energy is converted from one form to a more usable form, with the release of heat?
A. *Cellular respiration*

PRACTICE ROUND FIVE

ROUND FIVE TOSS UP QUESTIONS (10 POINTS EACH):

1. The basic information used to build a whole farm budget comes from what type of budget?
A. *One or more enterprise budgets*
2. What engine component slides back and forth due to forces produced during the combustion process acting as the moveable end of the combustion chamber?
A. *Piston*
3. When working around large livestock or heavy materials, it may be a good idea to wear what protective footwear?
A. *Steel-toed boots*
4. Where does translation occur?
A. *Ribosome*
5. What did NAFTA stand for?
A. *North American Free Trade Agreement*
6. In what year was Kansas Farm Bureau Founded?
A. *1919*
7. The level of population an ecosystem can support is defined by what?
A. *Carrying capacity*
8. Grasshoppers begin their life cycle as an egg, transition into a nymph, and grow into a full-sized adult. What type of metamorphosis is this?
A. *Incomplete*
9. _____ are standardized contracts to make or take delivery of a commodity at a predetermined place and time?
A. *Futures (contracts)*
10. What engine part converts the up and down or linear motion of the piston to circular motion?
A. *Crankshaft*
11. What should be used to pick a hot piece of metal?
A. *Tongs/pliers*
12. Fats are one class of biomolecules called what?
A. *Lipids*
13. What Kansas bird was removed from the list of threatened species in July of 2016?
A. *Lesser prairie chicken*
14. How much of membership dues goes to Kansas Farm Bureau?
A. *\$23.50*
15. Which US president was considered 'the great conservationist'?
A. *Theodore Roosevelt*
16. Name the three secondary plant macronutrients.
A. *Sulfur, calcium, magnesium*
17. Assets such as land, equipment, or personal property that is pledged as security for a loan is called what?
A. *Collateral*
18. Milk fever is caused by a lack of what nutrient in the blood?
A. *Calcium*

19. pH of water is a measure of what?

A. *Hydrogen ions*

20. What is the name of the chemicals that destroy fungus?

A. *Fungicide*

PRACTICE ROUND SIX

ROUND SIX TOSS UP QUESTIONS (10 POINTS EACH):

1. What is the name for a type of property ownership in which the person(s) who hold the legal title to the property manage it for the benefit of someone else?
A. *Trust*
2. What is process of measuring vertical distances from a known elevation point to determine elevations of unknown points?
A. *Differential leveling*
3. What type of injury is also known as "welder's flash" or "arc eye"?
A. *Flash burn*
4. What is the term for a domestic chicken bred for meat production?
A. *Broiler*
5. What percent of farms and ranches operate as pass-through businesses such as sole proprietorships, partnerships and Sub S corporations?
A. *98% or more*
6. How many members are there on the Kansas Farm Bureau board of directors?
A. *13 or 14 voting members*
7. The biggest component of municipal waste is what?
A. *paper*
8. What is the term used to describe seed treatment that involves scratching a hard seed coat to break dormancy?
A. *scarification*
9. Insurance that pays for an insured's losses arising from damages or destruction of one's farm equipment or personal items is called what?
A. *Property insurance*
10. What is the relationship hydraulic pressure and velocity?
A. *Inverse (as one increases, the other decreases)*
11. By federal law, at what age can a youth be employed by a farmer and be able to operate machinery?
A. *14*
12. What is the average normal temperature of healthy swine in degrees Fahrenheit?
A. *102.6*
13. Crops produced without biosolids, synthetic fertilizers, pesticides, or genetically modified seeds are called what?
A. *organic*
14. American Farm Bureau's PAL program focuses on taking farmers and ranchers age 30-45, and provides them with unique opportunities to represent agriculture to consumers and the media. What does PAL stand for?
A. *Partners in Advocacy Leadership*
15. What is known as the universal solvent?
A. *water*
16. The stems of what crop are used as fiber to make linen fabric?
A. *flax*

17. What is the term for the mental process a buyer goes through to buy, use, and rebuy a product?
A. *Buying cycle*
18. Cattle, pigs, sheep, and goats can only perceive blue-green and yellowish-green colors. What is this condition called?
A. *dichromacy*
19. What form of agriculture means an integrated system of plant and animal production practices that will satisfy human food and fiber needs while conserving natural resources?
A. *Sustainable agriculture*
20. The vast majority of commercial nitrogen fertilizer is derived from what form of N?
A. *Ammonia*