**2005 Machinery Operation Exam**

**Kansas Hazardous Occupation Training**

**Instructor:** A passing score of 75% is recommended for the written exams.

**Instructions:** Place your name and today’s date at the top of the first page. The first section of the exam contains 30 multiple choice questions. Answer the questions by placing the letter for the correct answer on the line to the left of the question. The second section consists of 20 True or False Questions. To complete Section 2, circle T for True or F for False on each question.

**SECTION 1 – MULTIPLE CHOICE**

____ 1. A young person is ready to operate farm machinery when he/she is:
   A. Strong enough to lift 50 pounds
   B. 5 feet tall
   C. Size is important, but maturity, common sense, and judgment may be more important.
   D. Able to reach the foot pedals on a truck.

____ 2. The most important source of information about your farm equipment is:
   A. Operator’s manual
   B. Sales brochures from the manufacturer
   C. Resale value book
   D. Your classmates

____ 3. Attitudes that contribute to unsafe working conditions include:
   A. It won’t happen to me.
   B. I’ve done it this way hundreds of times, once more can’t hurt.
   C. Being careful doesn’t matter because when it’s my time to go there’s nothing I can do to stop it.
   D. All of the above
   E. None of the above
4. What does this symbol remind you to do?
   A. Sit upright
   B. Use a seat belt
   C. Adjust your seat
   D. Not carry something when you are driving

7. Causes of farm machinery accidents include:
   A. Fatigue
   B. Weather
   C. Lack of safety devices
   D. All of the above
   E. Only A and C are correct

6. Hitch pins should be secured with a:
   A. Key
   B. Screw
   C. Locking pin
   D. Nail

7. An important way to reduce machinery accidents is to identify:
   A. All parts of the machine
   B. Potentially hazardous conditions
   C. Neighbors driving on the road
   D. All of the above

8. Which of the following accidents can happen when working with grain augers?
   A. Caught feet
   B. Electrocution
   C. Cable or winch failures
   D. All of the above

9. The Hazardous Occupations Order for Agriculture restricts 14 and 15 year olds from performing which of the following tasks, unless they have attended H.O.T. training and received certification.
   A. Corn picker
   B. Forage harvester
   C. Hay baler
   D. All of the above
   E. Only A and B above
10. If the surface of grain stored in a bin appears to be solid enough to walk on:
   A. It will make the best cattle feed
   B. It may be crusted over with a void space underneath the surface that will collapse when walked on
   C. It is safe to walk on

11. To steer a tractor with an attached implement safely, you need to know which of the following:
   A. Width and power of the tractor
   B. Width of the implement only
   C. Width and length of the tractor and the implement
   D. All of the above

12. Agricultural chemical containers should be stored:
   A. Off the floor in the chemical storage building on wooden pallets
   B. Outside under a good shade tree
   C. Directly on any concrete floor that is available on the farmstead
   D. In the house

13. A Slow Moving Vehicle (SMV) emblem can be used to replace other warning devices such as:
   A. It cannot be used to replace warning devices
   B. Amber rear reflectors
   C. Flashers
   D. Headlights

14. Dust in livestock buildings:
   A. Is a harmless nuisance
   B. Can cause serious health problems depending on the length of exposure
   C. Is only a health problem in confined hog facilities

15. Pickups pulling trailer wagons on a public highway:
   A. Require only a red flag on the trailed wagon
   B. Do not need brakes
   C. Require use of safety chains on the tongue and hitch
   D. Are exempt from all traffic laws

16. A Class C fire extinguisher is used for:
   A. Fires in live electrical equipment like motors or switches
   B. Fires from paper, wood cloth, rubbish, etc.
   C. Burning liquids like gasoline, oil or paint
17. When preparing to transport wide tillage equipment you need to:
   A. Fold into transport position and lock wings in the folded position
   B. Install transport locks on lift cylinders
   C. Both A and B are correct
   D. Neither A nor B is correct

18. When machines with hydraulic lifts are not in use, the lifts should be:
   A. Locked in transport position or lowered to the ground
   B. Raised to the highest position for easy servicing
   C. Left in whatever position is most convenient for the operator since the hydraulic system cannot be activated unless the engine is running

19. Oily rags should be stored ________ to reduce the chance of spontaneous combustion.
   A. On a shelf away from fuel
   B. In a cardboard box
   C. In a metal container
   D. On the floor in the corner of the shop

20. What PPE is recommended when you see this symbol?
    A. Cowboy hat
    B. Ball cap
    C. Lung protection
    D. Hard hat

21. When filling a grain wagon or bin:
    A. Check to make sure no one is trapped or playing inside before you begin
    B. Always assume it is empty
    C. Never put grain into a wagon or bin

22. What PPE is recommended when you see this symbol?
    A. Hearing protection
    B. Hand protection
    C. Face protection
    D. Lung protection

23. A forage chopper is:
    A. Safe to use if someone else is around
    B. Never completely safe
    C. Safe when all guards are in their proper position
    D. Safe if you have completed a course in safe machinery operation
24. Power engagement controls are associated with:
   A. Changing engine speed
   B. Turning lights on and off
   C. Breaking the tractor
   D. Activating the PTO

25. If you are the first person to come upon a farm accident, you should FIRST,
   A. Begin CPR on the victim immediately
   B. Survey the situation to prevent injury to yourself or further injury to the victim
   C. Determine if the victim is breathing
   D. Scream for help

26. What risk is created by allowing manure to build up in alleyways and high traffic areas?
   A. Risk of falling
   B. Burn risk
   C. Wrapping hazard
   D. Spontaneous combustion risk

27. If your job requires that you have to go inside of a grain bin full of grain:
   A. Make sure there is only corn in the bin
   B. Make sure that someone goes with you and use a life line, in case you become submerged in the grain
   C. Make sure you wear a long sleeved shirt
   D. Always wear a hard hat

28. To prevent runaways when parked with heavy tractor loads, you should
   A. Chain the wheels together
   B. Unhitch the load
   C. Chock the wheels
   D. Let some pressure out of the tractor tires

29. Danger signs have a color combination of:
   A. Red and white
   B. Yellow and black
   C. Blue and green
   D. Pink and purple

30. Lifting heavy loads with the skid steer bucket can result in the center of gravity:
   A. Being raised
   B. Being lowered
   C. Being unchanged
   D. Moving to the side

SECTION 2 – TRUE or FALSE
Circle T for True or F for False on each question.

T  F  31. Young, inexperienced operators are often assigned to the newest and safest tractors and equipment.

T  F  32. It is safest to wear loose-fitting clothing when working around farm machinery.

T  F  33. Because reaction time increases with increased fatigue, the risk of personal injury also increases.

T  F  34. The safest way to transport agricultural equipment is on the most heavily traveled roads during rush hour.

T  F  35. Different tractors have different locations and directions for motion for tractor controls.

T  F  36. Many farm accidents are related to a worker’s attempt to hurry with a job to get on with the next job.

T  F  37. A farm accident never results in financial loss to the victim.

T  F  38. A Slow Moving Vehicle (SMV) emblem should be mounted on the front of all farm machinery.

T  F  39. Human error is never the cause of farm machinery accidents. Only mechanical failure can result in an accident.

T  F  40. Field conditions do not pose any special hazards to tractor operators.

T  F  41. If fire extinguishers, guards, shields or other safety devices have to be removed for maintenance reasons, they probably weren’t necessary to have in the first place and do not have to be replaced.

T  F  42. Fatigue can increase a person’s risk of personal injury when operating machinery.

T  F  43. Gases found in manure pits and silos are highly toxic and can cause death.

T  F  44. Too tight of a turning radius can cause damage to the tractor tires or the towed equipment.

T  F  45. PTO-driven forage choppers and balers always stop immediately after the PTO has been disengaged.

T  F  46. It is okay to step over an operating PTO shaft if you are over 5 feet tall.

T  F  47. Frequent, short rest breaks are more effective than longer breaks.
T  F  48. Before filling a wagon or bin of grain, you should always check to make sure no one is trapped or playing inside.

T  F  49. It can take only seconds to become trapped in grain flowing out of a grain bin, auger, or gravity box.

T  F  50. If your ATV is broken down, it is safe to use a tractor to hunt for stray cattle in the woods at night, since the tractor has headlights.