**2014 Tractor Operation Exam**  
**Kansas Hazardous Occupation Training**

**Instructor:** A passing score of 75% is recommended for the written exam, meaning the student must get at least 38 questions correct.  
**Instructions:** Place your name and today’s date at the top of the first page. The first section contains 25 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 25 True or False Questions. To complete Section 2, circle T for True or F for False on each question.

**SECTION 1 – MULTIPLE CHOICE**

_____ 1. Upon successful completion of 10 hours of the Hazardous Occupation Training and according to provisions of the Hazardous Occupations Order in Agriculture (HOOA), a person age 14 or 15 will be able to be hired to:  
A. Operate a tractor over 20 PTO horsepower  
B. Handle animal sires or sows and cows with newborns within a pen or corral or work more than 20 feet above the ground.  
C. Work with Category I and II agricultural chemicals and handle/use explosives and anhydrous ammonia

_____ 2. Safe practices on the farm are the responsibility of whom?  
A. The farm owner  
B. Farm employees  
C. Everyone involved in the farming operation

_____ 3. The letters ROPS stand for:  
A. Rear-over protection source  
B. Rolling protective source  
C. Rollover protective structure

_____ 4. The best reference for safe tractor operation instruction is:  
A. Any safety textbook  
B. The tractor’s operator’s manual  
C. No safety reference is needed to safely operate a tractor

_____ 5. According to the textbook, most tractor accidents per hour of operation involve:  
A. Young people between the ages of 10 and 14  
B. People over age 65  
C. People between the ages of 30 and 50

_____ 6. A tractor is in its most stable position when it is:  
A. Operating with the center of gravity at its lowest position above ground  
B. Operating with the center of gravity at its highest position above ground  
C. Center of gravity does not affect the stability of a tractor
7. An ammeter is a gage or a red warning light that acts as the:
   A. Charge indicator
   B. Oil pressure indicator
   C. Coolant temperature indicator

8. The engine speed control is also referred to as the:
   A. Power takeoff
   B. Throttle
   C. Clutch

9. Daily maintenance checks should be performed daily or after:
   A. 100 hours of operation
   B. 50 hours of operation
   C. 10 hours of operation

10. “High hitching” or hitching above the drawbar to get better traction will:
    A. Overload the rear tires
    B. Overload the front axle
    C. Increase the chances of a rear overturn

11. The tractor seat should be adjusted so that the operator can:
    A. Reach the clutch
    B. Reach all controls
    C. Reach the ignition switch
    D. Reach the radio knob

12. Before refueling a tractor, you should:
    A. Shut off the engine
    B. Allow the hot engine to cool
    C. Both A and B are correct

13. How many seconds does it take a tractor to overturn to the rear?
    A. 1.5 seconds
    B. 5 seconds
    C. 20 seconds

14. Which deadly gas is given off by gasoline engines?
    A. Carbon monoxide
    B. Hydrogen sulfide
    C. Carbon dioxide

15. In comparison with air, gasoline and LP (liquefied petroleum) gas vapors are:
    A. The same
    B. Heavier
    C. Lighter
___ 16. A tractor has the right-of-way over cars:
A. Never
B. Always
C. Only as another motor vehicle would

___ 17. Personal protective equipment (or PPE) does not prevent accidents, but is designed to prevent or reduce personal injury. Examples of PPE include:
A. Safety goggles, dust masks, ear plugs
B. Steel-toed shoes, gloves, gas masks
C. Lipstick, nail polish, hand cream
D. Both A and B are correct

___ 18. To change gears on a tractor, you need to:
A. Reduce the throttle setting
B. Push in the clutch
C. Shift the lever to the selected gear
D. All of the above

___ 19. First aid kits should be mounted on a tractor so that they can be reached from:
A. The cab
B. The ground
C. First aid kits are not necessary to have on a tractor

___ 20. You are driving a tractor on a paved highway at 17 miles per hour. When you turn around to look at the implement you are pulling, you inadvertently steer the tractor to the right. The tractor goes off the edge of the pavement and starts down a steep ditch. What should you do?
A. Jerk the steering wheel to the left to get back up on the pavement
B. Hit the brakes and stop as quickly as possible
C. Slow the engine down and steer toward the bottom of the ditch

___ 21. A car traveling at 55 mph on dry pavement requires how many feet to stop?
A. 115 ft
B. 178 ft
C. 226 ft

___ 22. It is safe to remove shields and guards when:
A. putting the machine in storage until the next use
B. the machine keeps getting plugged and it saves time
C. servicing the machine and it is shut off
D. the operator has many years of experience in working with the machine
23. When one vehicle is towing another vehicle or implement on a roadway the drawbar or other connection must be strong enough to pull the weight of the towed implement (vehicle). In addition, there must be a ________________ fastened at the drawbar connection site:
A. Top link
B. Safety chain
C. Hydraulic coupler

24. Throttle controls next to the tractor seat increase engine speed when moved:
A. Rearward and downward
B. Rearward and upward
C. Forward or upward
D. Forward or downward

25. If you are operating a tractor and it hits a power pole guy wire and the power line falls on the tractor, you should:
A. Carefully climb off the tractor to avoid touching the power line.
B. Keep driving until you are not touching the power line anymore.
C. Stay on the tractor and wait for help to arrive unless fire threatens, then carefully jump clear.

SECTION 2 – TRUE or FALSE

T  F  26. A tractor can be run in a closed building if the building has adequate ventilation.
T  F  27. Personal protection equipment prevents all accidents.
T  F  28. When traveling downhill, it is safe to coast with the tractor out of gear.
T  F  29. Extra riders are no problem when operating farm tractors or machinery. In fact, drivers are encouraged to take extra riders so there are more eyes looking for hazards.
T  F  30. Tractors are exempt from all traffic laws.
T  F  31. An injury can reduce your ability to earn income for the rest of your life.
T  F  32. A rollover protective structure (ROPS) can keep a tractor from overturning.
T  F  33. When attempting to free a tractor that is stuck in the mud, it is safest to back out.
T  F  34. Over inflating a tire can cause a serious explosion.
T  F  35. Daily maintenance checklists can be found in the tractor operator’s manual.
T  F  36. Tractors can be maneuvered safely at road speeds.
37. A slow moving vehicle (SMV) emblem is required on implements of husbandry traveling 25 miles per hour or less. If the implement is traveling over 25 miles per hour, the emblem should be covered.

38. Starting and stopping procedures will affect the length of useful engine life for a tractor.

39. Revolving shafts should be shielded at all times unless covered by other components.

40. It is okay to use water to put out flammable liquid (Class B) fires.

41. Never work under mounted or raised equipment without making sure the equipment cannot drop.

42. Leaking hydraulic oil can be accidentally injected into your flesh and will cause serious injury.

43. It is best to warm up a tractor before placing it under a full load.

44. Safe tractor shutdown procedures are just as important as safe tractor startup procedures.

45. Low gear should be used when operating a tractor at higher speeds.

46. Tractors are power transfer machines. They are not built for speed or fun.

47. It is okay to let the fuel tank run dry in a tractor that burns diesel fuel.

48. It is less dangerous to move farm machinery on the highway than to use it on the farm.

49. Tractors should be equipped with a fire extinguisher and a first aid kit at all times.

50. The training certificate you receive for completing Hazardous Occupations Training is the same as a driver’s license.