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 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. Danger safety message signs/stickers on agricultural machines are what color?
   A. Red
   B. Orange
   C. Yellow
   D. Green

2. Guards and shields protect operators of tractors and agricultural implements from:
   A. Coming into contact with rotating components when the engine is running
   B. Inadvertently contacting exposed elements during normal operation or servicing
   C. Pinch points such as gears, belts or chain drives
   D. All of the above

3. When putting out a small fire with a fire extinguisher, you should:
   A. Discharge the extinguishing agent upwind of the fire
   B. Discharge the agent at the base of the fire
   C. Discharge the agent over the top of the fire
   D. Stand at least 25 feet away from the fire

4. What PPE is recommended when you see this symbol △?
   A. Eye protection
   B. Hand protection
   C. Hearing protection
   D. Lung protection

5. Safety signs/stickers using the color yellow usually mean:
   A. Attention
   B. Caution
   C. Danger
   D. Warning
6. Which factors make farm/ranch work so dangerous?
   A. Exposure to hazardous machinery
   B. Workers often work alone
   C. Few enforced safety regulations
   D. All of the above

7. 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

8. Which of the following is NOT recommended as an effective form of hearing protection?
   A. Disposable soft foam ear plugs
   B. Acoustic ear muffs
   C. Cotton balls
   D. Reusable plastic ear plugs

9. An example of clothing you should wear for farm work is:
   A. Loose-fitting clothes
   B. Hard shoes with slip-resistant soles
   C. Cut-off shorts
   D. All of the above

10. 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

11. The PTO master shield:
    A. Should be removed before operating the tractor
    B. Transfers power from the tractor to a machine
    C. Makes a great step for climbing on the tractor
    D. Protects the operator from the rotating PTO stub

12. ATV fit guidelines refer to:
    A. Guidelines to ensure that an ATV fits in the bed of a pickup truck
    B. Guidelines to ensure that an ATV operator is the proper size to safely operate the ATV
    C. Guidelines to ensure that the operator’s ATV helmet is the correct size
    D. Guidelines to ensure that garage and shed doors are the proper height for the ATV
13. A tractor weighing four (4) tons is pulling a feed wagon full of corn that weighs eight (8) tons. The minimum posted weight limit on a bridge would need to be __________ be for the tractor operator to safely cross it. (Fill in the blank)
   A. 8 tons
   B. 10 tons
   C. 12 tons
   D. 16 tons

14. A safe way to check for pin hole leaks in the hydraulic system is to:
   A. Rub your bare hand over the hydraulic hose
   B. Rub your gloved hand over the hydraulic hose
   C. Hold a match near where you suspect a leak
   D. Hold a piece of metal or cardboard near where you suspect a leak

15. Which of the following factors contributes to ATV accident injuries:
   A. Extra riders
   B. Excessive speed
   C. Driving on public roads
   D. All of the above

16. When the skid steer loader engine is running, the safest place for the operator to be is:
   A. Standing up in the cab
   B. Riding in the bucket
   C. Sitting in the operator’s seat with the seat belt fastened and the safety bar in place
   D. Standing next to the loader

17. If the equipment you are operating comes into contact with an electric power source you should:
   A. Stay calm, shut down the equipment, and shout for someone to call the power company to disconnect the power
   B. Stay in your seat or you could be electrocuted
   C. Wait until power has been disconnected to climb off of the equipment
   D. All of the above are correct

18. When operating self-propelled equipment on a public road, what should the operator do if someone is approaching from behind and wants to pass?
   A. Continue to drive and leave it up the the vehicle driver to pass safely
   B. Slow down and motion for the vehicle to go around
   C. Slow down and find a suitable place to pull off the road so the vehicle can safely pass
   D. Signal with flashing lights when it is not safe for the vehicle to pass
19. 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 county agent

20. Which of the following items of personal protective equipment is required when working in a toxic atmosphere, such as a silo or manure pit?
   A. Self-contained breathing apparatus
   B. Full-face respirator
   C. Dust mask
   D. None of the above will provide adequate protection

21. Causes of farm machinery accidents include:
   A. Fatigue
   B. Weather
   C. Missing safety devices
   D. All of the above

22. When machines with hydraulic lifts (such as a front-mounted bucket) are not in use, the lifts should be:
   A. Locked in transport position or lowered to the ground
   B. Raised to their highest position
   C. Raised 4 feet off the ground
   D. Left in any position convenient for the operator

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

24. Appropriate first-aid treatment for someone who suffers heat stress or heat stroke is:
   A. Call for emergency assistance
   B. Cool the victim as rapidly as possible
   C. If the victim is conscious, provide a cool drink
   D. All of the above

25. Traversing with an ATV means:
   A. Backing up a hill
   B. Riding across the sides of the hill in a zig-zag motion
   C. Going down a hill
   D. Climbing a steep hill
26. 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

27. When connecting a drawbar implement:
   A. Never let a helper stand between the tractor and the implement
   B. Always have a helper stand between the tractor and the implement
   C. Have the helper straddle the drawbar while you back the tractor
   D. None of the above is correct

28. Implements attached to tractors can be powered by:
   A. The PTO
   B. Hydraulics
   C. Wheels turning on the ground (ground-driven)
   D. All of the above

29. Potential hazards associated with a self-propelled windrower include:
   A. Entanglements
   B. Header collapse
   C. Both entanglements and header collapse
   D. Leaking chemical line

30. Important safety features found on modern self-propelled agricultural equipment include:
   A. Environmentally-controlled cabs
   B. Sealed bearings
   C. Reversible feed mechanisms
   D. All of the above

SECTION 2 – TRUE or FALSE

T  F  31. Always disengage the power take off and shut off the engine of the tractor before removing material from the baler.

T  F  32. Utility vehicles are usually equipped with SMV emblems and lights for highway use.

T  F  33. When dismounting a combine or other harvester, it is safest for your body to face away from the ladder.

T  F  34. Eye protection is generally recommended when using all types of hand and power tools.
T F 35. Before filling or emptying a wagon or bin of grain, always check to make sure no one is trapped or playing inside.

T F 36. Prolonged exposure to loud noises will lead to hearing loss.

T F 37. Safety hitch pins are designed to quickly fall out in the event of a collision with another vehicle.

T F 38. A handkerchief over your nose will filter gases, fumes, and small particles.

T F 39. All moving parts on PTO-driven forage choppers and balers stop immediately when the PTO is disengaged.

T F 40. FOPS protect the operator from overhead falling objects.

T F 41. ATVs are typically designed to carry an extra rider.

T F 42. It is safe to run an engine in a closed building.

T F 43. ATVs can be legally operated on most public roads after dark.

T F 44. Placing a brick on the operator’s seat is a safe way to bypass the interlock on a combine.

T F 45. A first aid kit and fire extinguisher should be present on harvesting equipment and on the tractor.

T F 46. The header of a combine should be removed and transported separately when taking it long distances on public roadways.

T F 47. When lifting, it is better to use your legs rather than your back.

T F 48. A tetanus vaccination is a good preventive measure for young farm and ranch workers.

T F 49. Falls are a common source of injury to young farm workers.

T F 50. A person can be completely engulfed in flowing grain in about 25 seconds.