

## MACHING GUARDING RESPONSIBLLITY EXAMINATION

1. Only maintenance personnel must know principles behind the Zero Mechanical State.  
True                      False
2. The purpose of lockout/tagout procedures is to keep the machine from making unexpected movements while it is being serviced or maintained.  
True                      False
3. The unauthorized removal of a guard is considered a serious violation of safety rules.  
True                      False
4. It is OK to begin operation of a machine without guards.  
True                      False
5. Advise your supervisor of a hazard after it becomes an injury.  
True                      False
6. Machine guards do work, but the individual must make the safety program successful.  
True                      False
7. The ultimate purpose of lockout/tagout is accident prevention.  
True                      False
8. Machine power controls should be located near the operator but away from any location where they could be accidentally started.  
True                      False
9. Maximum protection against unexpected movements is at the Zero Mechanical State.  
True                      False
10. If a moving part of a machine can cause an injury, it needs to be guarded.  
True                      False
11. If you have to stop the machine, it should be \_\_\_\_ before working on the machine.
  - A. In operating condition
  - B. In a Zero Mechanical State
  - C. Disconnected from electrical sources
  - D. Taken to machine shop
12. During operation, hazardous parts of machines must be
  - A. Brought to Zero Mechanical State.
  - B. Isolated from the rest of the machine.
  - C. Adequately guarded.
  - D. Put out of the operator's reach.

13. After locking out equipment, a properly labeled \_\_\_\_ must be placed on the lock:
  - A. Label
  - B. Tag
  - C. Warning sign
  - D. None of the above
  
14. The condition in which all energy sources are turned off or disconnected is called:
  - A. Zero defects
  - B. Zero Mechanical system
  - C. Zero Mechanical State
  - D. Operating condition
  
15. Which of the following statements is incorrect?
  - A. The unauthorized removal of a guard is a serious violation of safety rules.
  - B. Operating a machine without proper guarding is a safety hazard.
  - C. Individual interpretations of the safety rules can lead to disaster.
  - D. Machine safety simply means protection of the operator at the point of operation.
  
16. The employer is responsible for
  - A. Training employees
  - B. Recommending start up procedures
  - C. Posting written policies for ZMS
  - D. All of the above
  
17. Locks and tags on machinery are to be removed by...
  - A. The supervisor.
  - B. Any machine operator.
  - C. The inspector during inspections.
  - D. The person that installed the lock and tag.
  
18. When locking out and tagging out equipment and machinery, which of the following energy sources must also be considered:
  - A. Hydraulic fluids or steam under pressure
  - B. Compressed air
  - C. Energy stored in springs
  - D. All of the above
  
19. Maintenance workers need to know
  - A. Dates machines have been serviced
  - B. A dress code
  - C. How and when guards may be removed
  - D. All of the above
  
20. Always follow \_\_\_\_ relating to machine guards and operation of the equipment.
  - A. State regulations
  - B. Your company's policies and procedures
  - C. Common sense
  - D. All of the above