



Introduction to Safety – Unit Seven: Lockout / Tagout (LOTO) Safety

Unit Exam Answer Key

1. OSHA _____ that the employer establishes a program consisting of energy control procedures.
 - a. recommends
 - b. requires
 - c. suggests
 - d. None of the above

2. A tagout tag _____.
 - a. warns employees to not restore energy to the equipment
 - b. must be applied by hand
 - c. Must state “Do not operate” or something similar
 - d. All of the above

3. LOTO procedures are developed by _____.
 - a. equipment manufacturers
 - b. OSHA
 - c. The company that operates the equipment
 - d. Any of the above

4. Lockout/Tagout procedures prevent _____ while service is performed on a machine.
 - a. energizing equipment
 - b. start-up
 - c. the release of stored energy
 - d. All of the above

5. If a power source cannot be locked out, the _____.
 - a. equipment cannot be repaired
 - b. equipment must be repaired when no employees are in the building
 - c. authorized employee may be allowed to use tagout alone
 - d. equipment must be changed to so that it accepts a lock

6. Tagout is the placement of a locking device that isolates the equipment from an energy source to prevent start-up.
 - a. True
 - b. False





Introduction to Safety – Unit Seven: Lockout / Tagout (LOTO) Safety

Unit Exam Answer Key

7. The _____ step should be performed before the others.
- lockout
 - tagout
 - service
 - maintenance
8. The Hazardous Energy Control Plan applies to all employees who _____ potentially hazardous equipment.
- operate
 - service
 - design
 - All of the above
9. A Hazardous Energy Control Plan policy does not apply to _____ employment.
- construction
 - electric utilities
 - maritime
 - All of the above
10. Affected employees _____.
- operate equipment that may be locked out
 - work in areas where lock/out tagout is used
 - stay clear of equipment while it is locked out
 - All of the above
11. When routine adjustments are made to a printing press, _____.
- LOTO procedures are required
 - it is acceptable not to do LOTO if a second employee is present to monitor the process
12. LOTO is not required if equipment with a cord-controlled device is unplugged.
- True
 - False





Introduction to Safety – Unit Seven: Lockout / Tagout (LOTO) Safety

Unit Exam Answer Key

13. _____ refers to welding a connection to a pipeline vessel, or tank that is under pressure, without the interruption of service for gas, air, and other fluids.
- Hot plugs
 - Plug/tap
 - Hot tap
 - Pressure tap
14. LOTO is not required during a hot tap operation.
- True
 - False
15. LOTO is not required where _____.
- energy exists
 - there may be an unexpected start-up
 - a guard is removed
 - None of the above
16. An _____ employee is a person who operates a machine on which service or maintenance is being performed.
- affected
 - authorized
 - alternate
 - All of the above
17. An authorized employee must receive training _____.
- initially
 - annually
 - Both a and b
 - None of the above
18. *Isolating* equipment in a LOTO procedure refers to _____.
- removing equipment from the energy source
 - releasing stored energy from the source
 - Both a and b
 - moving the equipment being worked on to a different location



Introduction to Safety – Unit Seven: Lockout / Tagout (LOTO) Safety

Unit Exam Answer Key

19. There are multiple sets of keys issued to qualified maintenance personnel for the lock used in a LOTO job.
- True
 - False
20. When is employee retraining conducted?
- There is a change in job assignments
 - There is a change that creates a new machine hazard
 - It is discovered that an employee has forgotten proper energy control procedures
 - Any of the above
21. Tagout devices can be used in place of lockout devices when the equipment is not lockable.
- True
 - False
22. An example of a machine with stored energy is _____.
- hydraulic equipment with an elevated car on a hoist
 - a charged capacitor
 - an air compressor tank with residual pressure
 - All of the above
23. A coiled industrial spring is not considered an energy source.
- True
 - False
24. Inspection of energy control procedures must be performed annually, even if a machine runs only once per year.
- True
 - False
25. An annual certification inspection should list _____.
- the date of the inspection
 - the name of the inspector
 - the names of employees included in the inspection process
 - the machine or equipment that is inspected
 - All of the above





**Multi-State
Advanced Manufacturing
Consortium**

US DOL SPONSORED TAACCCT GRANT: TC23767
PRIMARY DEVELOPER: Jim Martini – Henry Ford College

RELEASE DATE 3/18/2016
VERSION v 001
PAGE 5 of 5

Introduction to Safety – Unit Seven: Lockout / Tagout (LOTO) Safety

Unit Exam Answer Key

SAFETY DISCLAIMER:

M-SAMC educational resources are in no way meant to be a substitute for occupational safety and health standards. No guarantee is made to resource thoroughness, statutory or regulatory compliance, and related media may depict situations that are not in compliance with OSHA and other safety requirements. It is the responsibility of educators/employers and their students/employees, or anybody using our resources, to comply fully with all pertinent OSHA, and any other, rules and regulations in any jurisdiction in which they learn/work. M-SAMC will not be liable for any damages or other claims and demands arising out of the use of these educational resources. By using these resources, the user releases the Multi-State Advanced Manufacturing Consortium and participating educational institutions and their respective Boards, individual trustees, employees, contractors, and sub-contractors from any liability for injuries resulting from the use of the educational resources.

DOL DISCLAIMER:

This product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

RELEVANCY REMINDER:

M-SAMC resources reflect a shared understanding of grant partners at the time of development. In keeping with our industry and college partner requirements, our products are continuously improved. Updated versions of our work can be found here: <http://www.msamc.org/resources.html>.

