

MODULE 4 - VERSION "C"

EXCAVATION, TRENCHING & SHORING
H₂S, FIRE PREVENTION
ELECTRICAL SAFETY, LOTO

Do not write on this test question sheet. Circle the letter on the test answer that corresponds to the correct answer. When test is complete, return this test and your answer sheet to your instructor to grade.

1. All of the following are examples of Hot Work EXCEPT:
 - A. Welding
 - B. Grinding
 - C. Electrical work
 - D. Using a torch

2. Lockout is the process of isolating and eliminating the flow of energy to equipment.
 - A. True
 - B. False

3. Excavating is one of the most hazardous forms of construction activity due to the possibility of cave-ins.
 - A. True
 - B. False

4. If an overhead power line is on the ground it can be assumed to be dead (deenergized).
 - A. True
 - B. False

5. H₂S is:
 - A. Lighter than air and will rise
 - B. Heavier than air and will settle in low areas
 - C. Same density as air

6. In the event of an H₂S alert and the monitor alarm sounds, employees are to:
 - A. Wait for the supervisor to confirm before evacuation
 - B. Evacuate quickly, move up-wind or cross-wind to high ground
 - C. Evacuate quickly, move down-wind or cross-wind to high ground
 - D. Return to your vehicle and await the "all clear"

7. When Lockout / Tagout is involved, we usually think of electricity. What other sources of energy must also be considered?
 - A. Gravitational
 - B. Pneumatic
 - C. Hydraulic
 - D. All of the above
8. The Acronym PASS when operating a fire extinguisher stands for:
 - A. Pull the lever, Aim the nozzle, Squeeze the pin, Sweep the floor
 - B. Pull rank, Ask for volunteers, Shoot the breeze, Scram
 - C. Pull the pin, Aim the nozzle, Squeeze the lever, Sweep the agent
 - D. Pray that you get out, Aim for the door, Scoot out early, Stay out of the way
9. All employees shall be trained and familiar with the Emergency Action Plan (EAP) and:
 - A. Keep all exits clear of obstructions
 - B. Know their assembly point in case of evacuation
 - C. Be familiar with company notification protocol
 - D. All of the above
10. A Hot Work permit must be obtained prior to performing any Hot Work activity.
 - A. True
 - B. False
11. When one leg of the fire triangle is removed, what happens to the fire?
 - A. It grows bigger
 - B. It goes out
 - C. It will not spread
 - D. None of the above
12. Some trenches qualify as a confined space and require compliance with the confined space regulations.
 - A. True
 - B. False
13. In the event of an emergency, personnel SHALL NOT attempt to enter an unprotected trench to perform rescue
 - A. True
 - B. False

14. A Lockout /Tagout Affected Employee is the person who:
- A. Affixes the lock on the equipment
 - B. Operates the equipment
 - C. Controls the key to the lock
 - D. None of the above
15. The two types of energy sources that Lockout / Tagout programs address are:
- A. Kinetic, Potential
 - B. Kinetic, Absolute
 - C. Potential, Static
 - D. None of the above
16. The person designated to place the Lockout / Tagout device on the equipment is the _____ employee.
- A. Affected
 - B. Supervisor
 - C. Authorized
 - D. Pumper
17. The Immediately Dangerous to Life & Health (IDLH) level for H₂S is:
- A. 10 ppm
 - B. 20 ppm
 - C. 100 ppm
 - D. 300 ppm
18. Hydrogen Sulfide (H₂S) gas is deadly:
- A. In low concentrations
 - B. Only in high concentrations
 - C. When you can smell it
 - D. None of the above
19. Oxygen levels should remain between 19.5% and 23.5%
- A. True
 - B. False
20. Atmospheric testing shall be done:
- A. Before employees enter
 - B. Periodically
 - C. Every minute
 - D. A and B