

## MODULE 4 - VERSION "D"

EXCAVATION, TRENCHING & SHORING  
H<sub>2</sub>S, 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.

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1. A Fire Watch must :
  - A. Discuss the Emergency Action Plan (EAP)
  - B. Have a fire extinguisher available
  - C. Remain at the work site for 30 minutes after the completion of work
  - D. All of the above
2. Which of the following would NOT be an associated hazard with trenching?
  - A. Oxygen deficiency
  - B. Loose rocks or soil
  - C. Underground utilities
  - D. Overhead loads
3. 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
4. On an excavation site – the site workers are those employees authorized to work on the project
  - A. True
  - B. False
5. 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
6. Electricity takes multiple paths, flowing through the path of least resistance
  - A. True
  - B. False

7. In the event of an H<sub>2</sub>S 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"
8. When inspecting welding cables ensure:
  - A. No splices within 50 feet of holder
  - B. Connect appropriately
  - C. Never wrap around a body part
  - D. All except A
  - E. All of the above
9. Atmospheric testing shall be done:
  - A. Before employees enter
  - B. Periodically
  - C. Every minute
  - D. A and B
10. 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
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. 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

13. During thunderstorms, derrick personnel must evacuate the derrick.
- A. True
  - B. False
14. Lockout is the process of isolating and eliminating the flow of energy to equipment.
- A. True
  - B. False
15. Oxygen levels should remain between 19.5% and 23.5%
- A. True
  - B. False
16. Hydrogen Sulfide ( $H_2S$ ) gas is deadly:
- A. In low concentrations
  - B. Only in high concentrations
  - C. When you can smell it
  - D. None of the above
17.  $H_2S$  is:
- A. Lighter than air and will rise
  - B. Heavier than air and will settle in low areas
  - C. Same density as air
18. A Hot Work permit must be obtained prior to performing any Hot Work activity.
- A. True
  - B. False
19. The Immediately Dangerous to Life & Health (IDLH) level for  $H_2S$  is:
- A. 10 ppm
  - B. 20 ppm
  - C. 100 ppm
  - D. 300 ppm
20. Properties and characteristics of  $H_2S$  include all of the following EXCEPT:
- A. Flammable
  - B. Corrosive
  - C. Colorless
  - D. Toxic
  - E. Sweet smell