

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Directions:** *Circle the best answer for each question.*

- 1) a) True      b) False      A worker can be killed by a relatively small amount of current traveling through their body.
  
- 2) Arc flashes produce some of the highest temperatures known on Earth. How high can those temperatures reach?
  - a) 9,000 degrees Fahrenheit
  - b) 16,000 degrees Fahrenheit
  - c) 35,000 degrees Fahrenheit
  - d) 70,000 degrees Fahrenheit
  
- 3) In the latest update to the NFPA 70E standard, a new type of rating is used to signify the level of protection provided by a piece of work clothing. What is that rating called?
  - a) Arc-rated
  - b) Shock-rated
  - c) Flash-rated
  - d) Temperature-rated
  
- 4) According to the NFPA 70E standard, how often must electrical workers be retrained?
  - a) At least every two years
  - b) At least every three years
  - c) At least every four years
  - d) At least every five years
  
- 5) How many arc flash deaths are caused each year by equipment that is placed in an electrically safe work condition?
  - a) 0 workers
  - b) 200 – 300 workers
  - c) Approximately 500 workers
  - d) 2,000 – 3,000 workers
  
- 6) a) True      b) False      According to the NFPA 70E standard, there are four steps that must be completed to properly de-energize a piece of equipment.

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- 7) According to the NFPA 70E standard, which statements below accurately describe part of the procedure for putting equipment into an electrically safe work condition? Choose all that apply.
- a) In step one: Identify all possible sources of electrical energy.
  - b) In step two: Open the disconnecting devices to interrupt the load current.
  - c) In step four: Place locks on the equipment's disconnecting means.
  - d) In step five: Test each phase conductor or circuit part, phase-to-phase and phase-to-ground.
- 8) There are three shock boundaries around an energized circuit. Moving from the outermost boundary to the innermost, what is their proper order?
- a) Limited, Prohibited, Restricted
  - b) Prohibited, Limited, Restricted
  - c) Restricted, Prohibited, Limited
  - d) Limited, Restricted, Prohibited
- 9) a) True      b) False      The Flash Protection Boundary is always the furthest boundary from the energized equipment.
- 10) Which of the shock boundaries represents the closest distance that an unqualified worker can get to energized equipment, unless they're accompanied by a qualified person?
- a) The Limited Approach Boundary
  - b) The Restricted Approach Boundary
  - c) The Prohibited Approach Boundary

## ACKNOWLEDGMENT OF TRAINING

I have viewed and understand the presentation, "Arc Flash: Safety Awareness."

\_\_\_\_\_  
Employee's Signature

\_\_\_\_\_  
Date

Circle One:    **PASS**    **FAIL**

\_\_\_\_\_  
Trainer's Signature

\_\_\_\_\_  
Date