ARC FLASH HAZARD AWARENESS

Pre-Test Answer Key

Date:	Age:	Gender: M	F
Participant Identification: (Month and day of birth, find the street of		xample John Do	e was born on December
Circle the most appropria	te answer.		
 Live parts of electrical to avoid accidental contact a. Insulated b. Grounded c. Guarded d. Protected 		at 50 volts or n	nore must be
 Which of the following Duplex outlet Circuit breaker Main disconned Ground rod 	•	d for over-currer	nt protection?
 What is the minimum sa. 10 feet b. 15 feet c. 20 feet d. 10 feet 6 inches 		ergized overhea	ad power lines?
 4. Electric shock severity a. What path the s b. How long the sl c. Both a. and b. d. None of the about 	shock takes through the hock lasts.	he body.	
 Currents greater than a. Tingling sensat b. Slight shock c. Burnt tissue d. Ventricular fibril 	ion	se:	

- 6. All 120-volt single-phase 15- and 20-ampere receptacle outlets in Part 1926 sites that are not part of the permanent wiring must have:
 - a. Waterproof covers
 - b. Ground fault circuit interrupters (GFCIs)
 - c. Kill switches
 - d. Fuses

- 7. The temperature of an arc flash can potentially reach?
 - a. 12,000°F
 - b. 17,000°F
 - c. 25,000°F
 - d. 35,000°F
- 8. A lock and tag must be removed by whom?
 - a. The worker who is authorized
 - b. Any employee in the area
 - c. Any worker who will work on the machine
 - d. None of the above
- 9. Arc blast / Arc flash is the cause of most electrically related accidents and fatalities among:
 - a. Maintenance workers
 - b. Qualified workers
 - c. Unqualified workers
 - d. Equipment operators
- 10. The effects of an arc flash include:
 - a. Molten metal splatter
 - b. Damaging noise levels
 - c. High pressure forces
 - d. All of the above
- 11. An approach limit at a distance from exposed live parts within which a person could receive a second degree burn if an electrical arc flash were to occur is called the:
 - a. Limited approach boundary
 - b. Shock hazard boundary
 - c. Flash protection boundary
 - d. Electrical hazard area
- 12. What creates the pressure of an arc blast?
 - a. The expansion of the metal as it vaporizes.
 - b. The size of the space the electrical equipment is located in.
 - c. The heating of air by the arc energy.
 - d. Both a. and c.
- 13. Typical arc flash PPE consists of:
 - a. Flash suit
 - b. Hood
 - c. Gloves and leather protectors
 - d. All of the above
- 14. What is the best way to prevent arc flash injuries?
 - a. Always wear the proper PPE
 - b. Arc flash injuries can never be completely eliminated
 - c. Check the circuit for evidence of circuit overload
 - d. De-energize equipment before starting to work on the equipment