Common Electrical Hazards Quiz – Trainers Module

Please mark the correct answer below:

1. Cabinets and boxes shall

   a. have openings closed
   b. have covers
   c. if covers are metal they must be grounded
   d. all the above

   Correct answer is “d”. Refer to 1910.305(b)(2)(i)

2. Flexible cords may be used:

   a. in ceilings or walls
   b. as long as attached to building surface
   c. to prevent transmission of noise or vibration
   d. none of the above

   Correct answer is “c”. Refer to 1910.305(g)(1)(ii)(H)

3. Flexible cords may not be:

   a. attached to building surfaces
   b. run through walls, ceilings, and floors
   c. run through doorways, windows
   d. all of the above

   Correct answer is “d”. Refer to 1910.305(g)(1)(iv)(A) – (F)
4. Qualified persons (i.e. those permitted to work on or near exposed energized parts) shall, at a minimum, be trained in and familiar with the following:

   a. ability to distinguish exposed live parts from other parts of electric equipment.
   b. skills necessary to determine the nominal voltage of exposed live parts
   c. clearance distances and the voltages the qualified person will be exposed to
   d. all of the above

   Correct answer is “d”. Refer to 1910.332(b)(3)(i) – (iii)

5. Minimum clearance in front of electrical equipment (live parts) shall be no less than:

   a. 12”
   b. 18”
   c. 36”
   d. 48”

   Correct answer is “c”. Refer to 1910.303(g)(1)(i)(A) - Table S-1.

6. Which of the following people is approved to work on energized circuits or equipment?

   a. Chief Engineer
   b. an apprentice with at least six months experience
   c. a Qualified person
   d. anybody in an emergency

   Correct answer is “c”. Refer to 1910.333(c)(2)
7. Temperature from an arc flash may reach

a. 600˚ F  
b. 5,200˚ F  
c. 35,000˚ F  
d. 100,000˚ F

Correct answer is “c”

8. Which of the following is not a hazard when working with electricity?

a. electric shock  
b. blast  
c. frostbite  
d. arc flash

Correct answer is “c”

9. Which of the following is an approved alerting technique for warning employees of hazards that could result in electrical shock?

a. safety signs and tags  
b. barricades  
c. attendants  
d. all of the above

Correct answer is “d”. Refer to 1910.335(b)(1) – (3)

10. Extension cords must be visually examined

a. before use on any shift  
b. once a week  
c. every six months  
d. once per year

Correct answer is “a”. Refer to 1910.334(a)(2)(i)