

Construction and Industry

BCSP-CHST
Construction Health and Safety Technician

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Question: 1

Which of the following is NOT a significant factor in determining the impact of an electrocution event on a worker?

- A. The amount of electrical current passing through the body
- B. The amount of electrically resistant material present in work boots and work gloves
- C. The length of time an exposure to electricity occurs
- D. The path through the body the current takes

Answer: B

Question: 2

A Hearing Conservation Program is required under OSHA regulation 29 CFR 1926.52 (Occupational Noise Exposure) when workers are exposed to noise levels in excess of an eight-hour time-weighted average of _____.

- A. 60 decibels (dB)
- B. 75 decibels (dB)
- C. 90 decibels (dB)
- D. 95 decibels (dB)

Answer: C

Question: 3

Per 29 CFR 1926.1101, the concentration of asbestos fibers for an eight-hour exposure is not to exceed which of the following?

- A. 0.1 fibers per cubic centimeter of air
- B. 0.25 fibers per cubic centimeter of air
- C. 10 fibers per cubic centimeter of air
- D. 100 fibers per cubic centimeter of air

Answer: A

Question: 4

Per OSHA regulation 29 CFR 1926.1053, the interval between landing platforms on a fixed ladder that uses a cage or well with multiple ladder sections must be _____.

- A. no greater than 24 feet
- B. no greater than 30 feet
- C. no greater than 36 feet
- D. no greater than 50 feet

Answer: D

Question: 5

How long must an employer keep information for a chemical that an employee was exposed to and received medical treatment for?

- A. Until the chemical is no longer used by the company
- B. Three (3) years
- C. Ten (10) years
- D. Thirty (30) years

Answer: D

Question: 6

In a construction environment, which of the following types of PPE is most suitable for protecting the eyes from dust?

- A. Safety glasses
- B. Safety goggles
- C. Welding goggles
- D. Face shields

Answer: B

Question: 7

How frequently must electrical insulating gloves be tested to ensure they adequately protect workers against electrical shock?

- A. Every six months
- B. As deemed appropriate by visual inspection
- C. Annually
- D. Biweekly

Answer: A

Question: 8

The demolition subcontractor hired for an office building project has worked together with the prime contractor for a few years and specializes in this type of work. As the prime contractor's safety professional, you review their safety program, which is comprehensive, has current training logs, and shows less than one first aid injury for every two jobs. Which of the following methods would be most appropriate to deliver the site-specific safety training?

- A. A three-hour computer-based training
- B. A "tailgate" review of site-specific hazards
- C. An eight-hour in-person comprehensive safety program review
- D. No additional training is required

Answer: B

Question: 9

During the finishing stages of a project, what is the hazard presented when painters and electricians are finishing in the same room?

- A. Noise
- B. Fire
- C. Improper illumination
- D. Slips, trips, and falls

Answer: B

Question: 10

If a five-foot-deep trench is dug in clay material, what angle must the trench wall not exceed?

- A. 22.5 degrees
- B. 53 degrees
- C. 63 degrees

D. 72 degrees

Answer: B

Question: 11

Lifting index (LI) is calculated by which of the following?

- A. Load weight × recommended weight limit
- B. Load weight ÷ recommended weight limit
- C. Load weight ÷ weight of worker
- D. (Load weight ÷ worker age)

Answer: B

Question: 12

Based on the hierarchy of controls, which should be the FIRST measure implemented to reduce a painter's exposure to volatile organic compounds (VOCs) found in oil-based paint?

- A. Reduce the amount of time the worker paints on any given day.
- B. Provide the painter with an air-purifying respirator with organic vapor cartridges.
- C. Restrict oil-based paints to exterior application only.
- D. Replace the paint with a water-based formulation.

Answer: D

Question: 13

Which of the following does a mobile-crane operator NOT need to be aware of in order to ensure a safe lift?

- A. Whether the outriggers are extended or retracted
- B. The angle of the boom
- C. The width of the jib
- D. Whether the tires are fully inflated

Answer: C

Question: 14

To what part of the body does a body harness typically NOT distribute any significant fall arrest force?

- A. Shoulders
- B. Lower back
- C. Pelvis
- D. Thighs

Answer: B

Question: 15

Recommended weight limit (RWL) is most accurately defined as which of the following?

- A. The maximum weight that healthy workers could safely lift for up to eight hours
- B. A lifting weight of 50 pounds for healthy male workers and 30 pounds for healthy female workers
- C. The maximum weight associated with a body mass index of 25 (threshold of "overweight")
- D. The weight at which a back-support apparatus should be worn

Answer: A

Question: 16

Which of the following is the LEAST effective method for identifying injury trends at a job site?

- A. Reviewing medical billing records
- B. Reviewing workers' compensation claims
- C. Reviewing injury reports
- D. Speaking with employees

Answer: A

Question: 17

All of the following must be checked on a monthly inspection of a portable fire extinguisher EXCEPT that the:

- A. Safety pin is in place
- B. Exterior paint is not chipped
- C. Hose/nozzle is in good condition
- D. Unit contains extinguishing media via the "lift test"

Answer: B

Question: 18

When researching regulatory requirements, where is the most reliable source of current OSHA standards?

- A. Crowd-sourced references (e.g., Wikipedia)
- B. Technical journals that contain safety-related articles
- C. The Department of Labor's website
- D. The binders in the superintendent's office

Answer: C

Question: 19

Which of the following hazards accounts for the highest fatality rate in the construction industry?

- A. Exposure to harmful substances
- B. Falls
- C. Fires and explosions
- D. Contact with objects and equipment

Answer: B

Question: 20

According to 29 CFR 1926.651, a stairway, ladder, ramp, or other safe means of egress shall be located in trench excavations that are ____ feet or more in depth.

- A. Four
- B. Five
- C. Six
- D. Seven

Answer: A

Question: 21

Excavation cave-in protection is required under which of the following conditions?

- A. The excavation mainly comprises gravel or sand and is three feet in depth.
- B. The excavation mainly comprises clay or silt and is five feet in depth.
- C. The excavation mainly comprises clay or silt and is five feet in depth.
- D. The excavation requires heavy equipment to remove excavated material.

Answer: B

Question: 22

What level of electrical current is enough to potentially result in death?

- A. 0.1 milliamperes
- B. 1 milliampere
- C. 15 milliamperes
- D. 75 milliamperes

Answer: D

Question: 23

Which of the following is the most common control used to prevent injuries caused by objects striking workers?

- A. Warning tape
- B. Verbal warnings
- C. Hard hat
- D. Signage warning of overhead loads

Answer: C

Question: 24

Which of the following is NOT an effective strategy to prevent injuries caused by objects falling from a scaffold?

- A. Establishing an exclusion area beneath and around the bottom of the scaffold
- B. Installing panels or screens on the scaffold if loose objects are stacked higher than the toe boards
- C. Applying high-visibility reflectors on the scaffold legs
- D. Erecting a canopy or net over walkways below the scaffold to catch falling objects

Answer: C

Question: 25

Per OSHA regulation 29 CFR 1926.502, when a 200-pound load is applied in a downward direction to the top edge of a guardrail, it shall not deflect to a height any less than _____ above the walking or working level.

- A. 28 inches
- B. 34 inches
- C. 39 inches
- D. 46 inches

Answer: C

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