

7 PERSONAL PROTECTIVE EQUIPMENT

QUIZ 1 (20 POINTS TOTAL)

True/False (5 points)

1. Generally speaking, personal protective equipment is the least desirable method of controlling exposure to harmful substances in the workplace environment.
 - a. true
 - b. false
2. Electric flashes cause contact lenses to stick to a worker's eyeball.
 - a. true
 - b. false
3. Laser protection eyewear typically offers maximum protection at several specific wavelengths.
 - a. true
 - b. false
4. Injuries generally occur as a result of forces acting on the body at the moment a fall is stopped.
 - a. true
 - b. false
5. At least one standby employee must wait outside an IDLH atmosphere and maintain visual, voice, or signal-line communication with the employee in the IDLH atmosphere.
 - a. true
 - b. false

Multiple Choice (6 points)

6. Which of the following types of helmets is intended to protect against impact hazards and is typically used in heavy industrial settings?
 - a. Type 1 helmets
 - b. Class A helmets
 - c. Class B helmets
 - d. Class C helmets
7. Any unprotected exposure to steady-state or intermittent noise that exceeds about _____ may negatively affect hearing.
 - a. 65 dB
 - b. 85 dB
 - c. 95 dB
 - d. 115 dB

15. A manufacturer must place permanent labels on personnel nets for them to comply with OSHA regulations. What information must be shown on this label?

16. How much air pressure is a loose-fitting respirator designed to supply?

17. How are air-supplying respirators classified and what are the three main types?

18. What are the three levels of efficiency that apply to air-purifying respirators?

Short Essay (2 points)

19. Describe the two types of conductive footwear and how they are designed.

20. What are three limitations of supplied-air respirators?

QUIZ 2 (20 POINTS TOTAL)

True/False (5 points)

1. Pants that protect against workplace hazards are considered PPE and should be paid for by the employer.
 - a. true
 - b. false
2. A bump cap is sufficient protection from overhead hazards.
 - a. true
 - b. false
3. Body belts are not acceptable as part of a fall arrest system unless they are used with a positioning device.
 - a. true
 - b. false
4. Foundry footwear often has no fasteners so it can be removed quickly if molten metal leaks inside.
 - a. true
 - b. false
5. Air-purifying respirators purify the air of gases, vapors, and particulates; therefore, they can be used safely in an oxygen-deficient environment.
 - a. true
 - b. false

Multiple Choice (6 points)

6. Once management decides to use PPE, what should it next?
 - a. Select the proper type of equipment.
 - b. Enforce use of the chosen PPE.
 - c. Write a policy covering the usage of the PPE and communicate it to employees.
 - d. Implement a training program to make certain employees know how to correctly use and maintain the PPE.
7. Which of the following is not a characteristic of occupational noise-induced hearing loss?
 - a. It is always sensorineural affecting hair cells in the inner ear.
 - b. It is almost always bilateral.
 - c. It does not progress once the exposure is discontinued.
 - d. It almost always results in profound hearing loss.
8. If exposure to high levels of noise is frequent and an employee needs to wear a protective device for extended periods, what is the best kind of device to choose?
 - a. circumaural earmuffs
 - b. supraaural canal caps
 - c. aural inserts or earplugs
 - d. enclosure devices

9. Particles that form when a volatilized solid, such as metal, condenses in cool air are categorized as _____.
- a. mist
 - b. vapors
 - c. fumes
 - d. dust
10. An oxygen deficient atmosphere has an oxygen content below _____ by volume.
- a. 0.2%
 - b. 0.5%
 - c. 0.7%
 - d. 0.9%
11. The NIOSH recommends that disposable respirators be checked for _____.
- a. holes in the filter
 - b. cracks in the metal nose clip
 - c. stretched or worn out straps
 - d. all of the above

Short Answer (7 points)

12. What three factors should be considered when choosing impact-resistant eyewear?
13. What are the three basic styles of face shields?
14. Does color or chemical composition provide the filtering effect for lenses used as PPE?

15. To protect against heat, hand and arm protectors should be made of what kinds of fabrics?

16. What are two effective methods for determining the service life of a respirator cartridge?

17. What factors determine the service life of an air-purifying respirator?

18. When inspecting a gas mask, what items should be checked and how should problems be corrected?

Short Essay (2 points)

19. What is fall arrest and how can a safety professional determine when a fall arrest system is needed?

20. Management must set up strict rules for disposing of PPE after it is used in a corrosive environment. What should be done before PPE is removed? Is there a logical order to removing coats, hats, gloves, and other PPE?