

# IBEW Local Union 683 - OSHA 30-Hour Construction Safety and Health Training Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

**Copyright © 2025 by Examzify - A Kaluba Technologies Inc. product.**

**ALL RIGHTS RESERVED.**

**No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.**

**Notice: Examzify makes every reasonable effort to obtain from reliable sources accurate, complete, and timely information about this product.**

**SAMPLE**

## **Questions**

SAMPLE

- 1. Which of the following is NOT a recognized excavation protective system?**
  - A. Sloping**
  - B. Sheet piling**
  - C. Benching**
  - D. Wrapping**
- 2. What type of fire extinguisher is best suited for electrical fires?**
  - A. Water extinguisher**
  - B. Carbon dioxide extinguisher**
  - C. Dry chemical extinguisher**
  - D. Foam extinguisher**
- 3. What is the maximum amount of flammable liquids allowed to be stored indoors without an approved storage cabinet?**
  - A. 10 gallons**
  - B. 25 gallons**
  - C. 50 gallons**
  - D. 100 gallons**
- 4. What is the permissible exposure limit (PEL) for noise exposure over an eight-hour duration?**
  - A. 85 dba**
  - B. 90 dba**
  - C. 95 dba**
  - D. 100 dba**
- 5. What is the permissible exposure limit for noise during an 8-hour workday?**
  - A. 85 dBA**
  - B. 90 dBA**
  - C. 95 dBA**
  - D. 100 dBA**

- 6. What are the classes of head protection available?**
- A. Class 1 and Class 3**
  - B. Class 1 and Class 2**
  - C. Class 2 and Class 4**
  - D. Class 1 and Class 5**
- 7. How much weight must a portable ladder be designed to support?**
- A. Twice the maximum intended load**
  - B. Three times the maximum intended load**
  - C. Four times the maximum intended load**
  - D. Five times the maximum intended load**
- 8. How often must a trench or excavation be inspected?**
- A. Weekly**
  - B. Monthly**
  - C. Daily or after any occurrence**
  - D. Every few hours**
- 9. What is the minimum depth for which an oxygen atmospheric test is required?**
- A. 2 feet**
  - B. 3 feet**
  - C. 4 feet**
  - D. 5 feet**
- 10. What are the three essential job duties of permit-required confined spaces?**
- A. Entrant, supervisor, and manager**
  - B. Entrant, attendant, and entry supervisor**
  - C. Supervisor, technician, and attendee**
  - D. Inspector, employee, and supervisor**

## **Answers**

SAMPLE

- 1. D**
- 2. B**
- 3. B**
- 4. B**
- 5. B**
- 6. B**
- 7. C**
- 8. C**
- 9. C**
- 10. B**

SAMPLE

## **Explanations**

SAMPLE

**1. Which of the following is NOT a recognized excavation protective system?**

- A. Sloping**
- B. Sheet piling**
- C. Benching**
- D. Wrapping**

The correct answer is "D." Wrapping is not a recognized excavation protective system under OSHA regulations. Instead, the recognized protective systems include sloping, sheet piling, and benching. Sloping involves cutting back the sides of an excavation to a safe angle, reducing the risk of collapse. Sheet piling refers to the installation of sheets or panels to prevent soil from falling into the excavation, providing a barrier that supports the walls. Benching is a method that creates horizontal steps or benches in the sides of the excavation, which helps to reduce the angle of the slope necessary for stability. These systems are essential for ensuring worker safety during excavation work, and familiarity with these methods is crucial for preventing accidents and injuries on construction sites.

**2. What type of fire extinguisher is best suited for electrical fires?**

- A. Water extinguisher**
- B. Carbon dioxide extinguisher**
- C. Dry chemical extinguisher**
- D. Foam extinguisher**

The carbon dioxide extinguisher is the best choice for extinguishing electrical fires primarily because it effectively displaces oxygen in the vicinity of the flames while not conducting electricity. This is crucial since water extinguishers can conduct electricity and pose significant risks to the user and anyone nearby during an electrical fire. The carbon dioxide does not leave any residue, making it ideal for electrical equipment and areas where sensitive electronics are present. In situations involving electrical fires, it is important to use an extinguisher that can suffocate the fire without the risk of shock or damaging the equipment. Dry chemical extinguishers can also be effective but may leave a residue that could cause further damage to sensitive electronics. Foam extinguishers, while useful for certain types of fires, are inappropriate for electrical fires as they may also conduct electricity. Therefore, carbon dioxide extinguishers are highly recommended for tackling electrical fires safely and effectively.

**3. What is the maximum amount of flammable liquids allowed to be stored indoors without an approved storage cabinet?**

- A. 10 gallons**
- B. 25 gallons**
- C. 50 gallons**
- D. 100 gallons**

The correct maximum amount of flammable liquids permitted to be stored indoors without an approved storage cabinet is 25 gallons. This limit is established by OSHA regulations to minimize the risk of fire hazards in workplaces where flammable substances may be present. Storing more than this amount can significantly increase the risk of fire and explosion, as flammable liquids can easily ignite and spread quickly in an enclosed environment. The regulation aims to ensure safety by controlling the quantity of hazardous materials that can be present in a given space, thus helping to protect not only the workers but also the building and surrounding areas. When determining safe practices for handling and storing flammable liquids, it's essential to adhere to these guidelines to maintain a safe work environment. Not following this limit can result in violations of safety standards and pose a serious risk to health and safety on construction sites.

**4. What is the permissible exposure limit (PEL) for noise exposure over an eight-hour duration?**

- A. 85 dba**
- B. 90 dba**
- C. 95 dba**
- D. 100 dba**

The permissible exposure limit (PEL) for noise exposure over an eight-hour duration is set at 90 dBA according to OSHA regulations. This limit is established to protect workers from the harmful effects of prolonged exposure to loud noise, which can lead to hearing loss and other health issues. The threshold of 90 dBA indicates that workers can be exposed to noise at this level for a full work shift without significant risk of hearing impairment. Understanding this limit is crucial for workplace safety, as employers are responsible for monitoring noise levels and implementing controls or protections when noise exceeds this threshold. While other levels of dBA are associated with various risks or precautions, the PEL specifically focuses on an 8-hour exposure period, making 90 dBA the correct and recognized standard for occupational noise exposure.

**5. What is the permissible exposure limit for noise during an 8-hour workday?**

- A. 85 dBA**
- B. 90 dBA**
- C. 95 dBA**
- D. 100 dBA**

The permissible exposure limit for noise during an 8-hour workday is 90 dBA. This threshold is determined by OSHA to help protect workers from the hazardous effects of noise exposure, which can lead to hearing loss and other health issues. At 90 dBA, workers are allowed to be exposed for the full duration of an 8-hour shift. The limit is set based on research showing that exposure to sound levels at or above this level can cause significant auditory damage and loss over time. Regular monitoring and hearing conservation programs are often implemented in environments where noise levels approach or exceed this limit to ensure that workers' hearing is not compromised. It is important to note that the limits change for higher decibel levels; for example, as noise levels increase, the allowable exposure time decreases. This reinforces the rationale behind the 90 dBA limit, providing a balance between work requirements and health safety.

**6. What are the classes of head protection available?**

- A. Class 1 and Class 3**
- B. Class 1 and Class 2**
- C. Class 2 and Class 4**
- D. Class 1 and Class 5**

The correct choice highlights the classes of head protection as Class 1 and Class 2, which correspond to specific levels of electrical protection and impact resistance relevant to safety gear. Class 1 helmets are primarily designed to protect against impact and penetration hazards but are not suited for electrical work involving high voltage. Class 2 helmets provide a higher level of electric shock protection, capable of withstanding voltage up to 20,000 volts (as determined by standard testing). This makes them suitable for environments where electrical hazards are present, such as in construction sites where workers may be near exposed electrical conductors. Understanding the classification of head protection is crucial for ensuring the right helmet is used in the appropriate environment to minimize injury risks. This classification system assists workers in selecting head protection tailored to their specific job requirements and hazard levels, maintaining compliance with safety regulations and best practices.

**7. How much weight must a portable ladder be designed to support?**

- A. Twice the maximum intended load**
- B. Three times the maximum intended load**
- C. Four times the maximum intended load**
- D. Five times the maximum intended load**

A portable ladder must be designed to support a load that is four times the maximum intended load. This design requirement is based on ensuring that the ladder can reliably support not only the weight of the user but also any additional tools or materials they might be carrying while using the ladder. This extra margin of safety is crucial because it accounts for factors like dynamic loads caused by movement, potential wear and tear on the ladder, and unforeseen circumstances that might occur while the ladder is in use. Hence, designing to support four times the maximum intended load significantly enhances safety and reduces the risk of ladder failure during operation.

**8. How often must a trench or excavation be inspected?**

- A. Weekly**
- B. Monthly**
- C. Daily or after any occurrence**
- D. Every few hours**

Trenching and excavation activities pose significant hazards, particularly due to the risk of cave-ins. To ensure safety, OSHA regulations require that trenches or excavations be inspected daily and also after any disturbances or events that could affect the stability of the excavation, such as rain, equipment movement, or changes in the environment. This frequent inspection is crucial as it allows for the identification and mitigation of potential hazards before they lead to accidents. By ensuring that the excavation site is inspected under these conditions, workers can be better protected from risks associated with trenching and excavation work. Regular inspections help maintain safety standards and compliance with OSHA requirements, ultimately fostering a safer work environment for everyone involved.

**9. What is the minimum depth for which an oxygen atmospheric test is required?**

- A. 2 feet**
- B. 3 feet**
- C. 4 feet**
- D. 5 feet**

The requirement for conducting an oxygen atmospheric test is based on safety regulations that outline when to assess air quality, especially in confined spaces or areas where gases may accumulate. The minimum depth for which such a test is required is typically set at 4 feet. At this depth, there is a significant risk for oxygen deficiency, as well as the potential for hazardous gases to accumulate. Testing at this depth ensures that workers are entering environments where atmospheric conditions are safely within acceptable limits for oxygen concentration. This practice is essential to prevent asphyxiation and promote the safety of workers engaged in tasks that may expose them to these risks. Ensuring oxygen levels are adequate before entering any area below this depth is a key aspect of maintaining a safe working environment on construction sites.

**10. What are the three essential job duties of permit-required confined spaces?**

- A. Entrant, supervisor, and manager**
- B. Entrant, attendant, and entry supervisor**
- C. Supervisor, technician, and attendee**
- D. Inspector, employee, and supervisor**

The three essential job duties of permit-required confined spaces are the entrant, attendant, and entry supervisor. Each of these roles plays a critical part in ensuring the safety of individuals working in or around these hazardous environments. The entrant is the individual who physically enters the confined space to perform tasks. This person must be aware of the hazards present and is responsible for their safety while inside. The attendant, on the other hand, stays outside the confined space and is tasked with monitoring the entrant's safety. The attendant ensures that a proper communication system is in place, can provide assistance if necessary, and has the authority to initiate evacuation if unsafe conditions arise. Finally, the entry supervisor is responsible for overseeing the entire operation. This individual must ensure that all safety protocols are followed, including the completion of the necessary permits and checks before anyone can enter the space. The entry supervisor coordinates between the entrant and the attendant, ensuring that all safety considerations are met before and during entry. Understanding these roles is crucial for maintaining safety standards and compliance with OSHA regulations regarding confined spaces.