

## Hearing Prevention Exam

1. Which OSHA Standard is the hearing prevention program identified?
  - A. 1910.95
  - B. 1910.135
  - C. 1910.120
  - D. 1910.85
  
2. Which NFPA Standard supports the OSHA Hearing Prevention Standard?
  - A. NFPA 1410
  - B. NFAP 1403
  - C. NFPA 1500
  - D. NFPA 1521
  
3. What are the three (3) ways in which noise can be safely identified and controlled in the work place?
  - A. Engineering controls, administrative controls and PPE and monitoring
  - B. PPE and monitoring, engineering controls and risk avoidance
  - C. Administrative controls, PPE and monitoring and communication
  - D. Communications, usage and extent of noise level
  
4. What is the standard decibel level for firefighters that were established as permissible exposure for 10-hour work time limit?
  - A. 100
  - B. 90.5
  - C. 83.4
  - D. 80.1
  
5. What common element is not listed in the lesson as an “all risk” noise activities for all classified job duties described in the training?
  - A. Volume of the radio
  - B. Emergency response
  - C. Work environment
  - D. Improper use

6. What situations can occur that would not permit hearing protection to be used to the preventive level for hearing loss?

- A. Station duties
- B. Running power saws and equipment for testing
- C. Emergency scene operations
- D. Personal comfort

7. What should not be a goal of all personnel be when using hearing protection?

- A. To be able to retire without a major hearing loss
- B. Enjoy listening to TV with the volume turned up
- C. Enjoying a good conversation without having to ask it to be repeated each time
- D. Prevent permanent ringing in your ears

8. OSHA 1910.95 is the Standard that is used for noise levels in the work place, what situation causes firefighters have a unique situation in EMERGENCY conditions only?

- A. Inability to eliminate known problems
- B. hearing protection may not properly integrate with structural firefighter protective clothing
- C. Training activities involving gas powered tools, apparatus and other equipment
- D. Illinois is an IDOL State and OSHA Standards are not applicable.

9. Non-emergency times and general station duties, hearing protection in needed and should be worn.

- A. True
- B. False

10. Which of the below is a unique Risk Noise Source for Fire Prevention Personnel?

- A. Radio Usage
- B. Alarm system testing
- C. Machinery/fire pump inspections
- D. Both B and C

11. Simply stated noise is any unwanted sound

- A. True
- B. False

Match the term found in the **Word Bank** to the correct definition below.

- 12. \_\_\_\_\_ - perceived as pitch
- 13. \_\_\_\_\_ - perceived as loudness
- 14. \_\_\_\_\_ - steady-state vs. impulse/impact
- 15. \_\_\_\_\_ - length of time exposed

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| <ul style="list-style-type: none"><li>A. <b>DURATION</b></li><li>B. <b>FREQUENCY</b></li><li>C. <b>INTENSITY</b></li><li>D. <b>NATURE</b></li></ul> |
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16. When is noise scientifically defined to be a hazard?
- A. Duration of exposure, intensity (volume) of sound, repeated exposure, individual susceptibility
  - B. 85dBA for steady-state noise sources
  - C. 140dB for impulse/impact noise sources
  - D. All of the above
17. Fire Suppression Personnel should use hearing protection while operating Gas powered equipment at any time?
- A. True
  - B. False
18. By reducing work place noise exposure there is little need to be concerned about noise exposure in our personal times?
- A. True
  - B. False
19. Earplugs, Noise Muffs and Headphones are mediums supplied by the Sugar Grove Fire Department to help reduce noise exposure in the work place environment?
- A. True
  - B. False
20. One characteristic of Pre- Formed Earplugs is that they are unfortunately uncomfortable to wear?
- A. True
  - B. False
21. Mechanical sirens that have been fitted with a metal shroud to direct the sound forward. Such shrouds have resulted in \_\_\_\_ % reductions in sound energy to the fire fighter?
- A. 25%
  - B. 50%
  - C. 70%
  - D. 90%
22. Circumaural Noise Muffs have a Noise Reduction Rating (NRR) of \_\_\_\_ dB?
- A. 20
  - B. 23
  - C. 28
  - D. 35
23. Ear Muffs and Headphones should be available in the station and or on the apparatus.
- A. True
  - B. False
24. Extremely loud noise are defined as any noise exceeding \_\_\_\_ dB?
- a. 30
  - b. 50
  - c. 85
  - d. 90
25. When exposed to steady state noises greater than 120 dB, it is acceptable to double up ear protection by using both earplugs and circumaural earmuffs?
- A. True
  - B. False