

FIRE ALARM

EL-3

HOMEWORK-3

WHALEN

You are required to pass this lesson in next week you are in the school.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

Highlight where you found the answers in you code books.

- _____ 1. NFPA-72 (2016) 18.3.4.1
Appliances subject to _____ damage shall be suitably protected.
a. emotional c. electrical
b. mechanical d. water
- _____ 2. NFPA-72 (2016) 18.4.1.1
An average ambient sound level greater than _____ dBA shall require the use of a visible notification appliance (s).
a. 65 c. 105
b. 75 d. 110
- _____ 3. NFPA-72 (2016) 18.4.1.2
The total sound pressure level produced by a combination of ambient sound pressure level with all audible notification appliances operating shall not exceed _____ dBA at the minimum hearing distance.
a. 65 c. 105
b. 75 d. 110
- _____ 4. NFPA-72 (2016) 18.4.2.1
The alarm audible signal pattern used to notify building occupants of the need to evacuate _____ be the standard alarm evacuation signal consisting of a three-pulse temporal pattern.
a. can c. may
b. shall d. can't
- _____ 5. NFPA-72 (2016) 18.4.3.1
Public mode requires _____ dB above the average ambient sound level measured _____ feet above the floor.
a. 10 / 5 c. 15 / 10
b. 10 / 10 d. 15 / 5
- _____ 6. NFPA-72 (2016) 18.4.4.1
Private mode requires _____ dB above the average ambient sound level measured _____ feet above the floor.
a. 10 / 5 c. 15 / 10
b. 10 / 10 d. 15 / 5
- _____ 7. NFPA-72 (2016) 18.4.5.1
In *sleeping areas* shall have a sound level of at least _____ dBA above the average ambient sound level or at least _____ dBA which ever is greater, measured at the pillow level
a. 10 / 65 c. 30 / 65
b. 20 / 65 d. 15 / 75

Name: _____

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- _____ 8. **NFPA-72 (2016) 18.4.8.1**
If ceiling heights allow, wall-mounted audible notification appliances shall have their tops above the finished floors at heights of not less than _____ inches and below the finished ceiling at a distance not less than 6 inches.
a. 90 c. 100
b. 95 d. 110
- _____ 9. **NFPA-72 (2016) 18.5.5.1**
If ceiling heights allow, wall-mounted notification appliances for public mode visible signaling shall have their entire lens above the finished floors at heights of not less than _____ inches and not greater than 96 inches.
a. 76 c. 90
b. 80 d. 96
- _____ 10. **NFPA-72 (2016) 18.5.5.4.1 Table and 18.5.5.4.3**
When installing one speaker strobe on a wall in the center (the halfway distance), what candela strobe setting will be the minimum required to cover a 52' x 52' dimensioned room?
a. 15 c. 110
b. 75 d. 177
- _____ 11. **NFPA-72 (2016) 18.5.5.4.1(b) Table**
When installing one speaker strobe in the center of a 10' ceiling what candela strobe setting will be the minimum required to cover a 30' x 30' dimensioned room?
a. 15 c. 75
b. 30 d. 110
- _____ 12. **NFPA-72 (2016) 18.5.5.5.5**
The installation of visible notification appliance in a corridor shall be located not more than _____ feet from the end of the corridor.
a. 5 c. 12
b. 10 d. 15
- _____ 13. **NFPA-72 (2016) 18.5.5.5.5**
The installation of visible notification appliances in a corridor shall be located not greater than _____ feet between appliances.
a. 50 c. 100
b. 75 d. 200
- _____ 14. **NFPA-72 (2016) 18.5.5.7.2 Table**
The installation of wall mounted visible notification appliances in a sleeping area shall be within 16' of the pillow. The strobes candela shall be _____ if mounted below finished ceiling a distance of 24" or more and _____ if installed less than 24" below finished ceiling.
a. 75/110 c. 177/110
b. 75/177 d. 110/177
- _____ 15. **NFPA-72 (2016) 18.5.5.5.5**
The maximum distance between high-intensity visible notification appliances is _____.
a. 50 c. 100
b. 75 d. 200