

Review Questions

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- The specific requirements for wiring and equipment installation for fire protective signaling systems are covered in _____.
 - NFPA 70®
 - NFPA 72®
 - NFPA 101®
 - NFPA 1
- The code established to help fire authorities continually develop safeguards against fire hazards is _____.
 - NFPA 1
 - NFPA 72®
 - NFPA 70®
 - NFPA 101®
- Which class of circuits are run in non-redundant paths to increase reliability?
 - A
 - B
 - C
 - D
- A defined area within the boundaries of a fire alarm system is known as a(n) _____.
 - section
 - signal destination
 - alarm unit area
 - zone
- A fire alarm system with zones that allow multiple signals from several sources to be sent and received over a single communication line is known as a(n) _____.
 - combination system
 - hardwired system
 - zoned system
 - multiplex system
- Which of the following is a type of spot detector?
 - Projected beam
 - Addressable
 - Thermoelectric
 - Aspirating
- An automatic detector that draws air from the protected area back to the detector is called a(n) _____.
 - line detector
 - spot detector
 - air sampling detector
 - addressable detector
- Which of the following is a type of fixed-temperature heat detector?
 - Fusible link
 - Rate-of-rise
 - Rate compensation
 - Ionization
- NFPA 72® prohibits a duct detector from being used as a supervisory device.
 - True
 - False
- The CO₂ spike phenomenon for hydrocarbon-based fires is used in _____.
 - ultraviolet detectors
 - infrared detectors
 - fire-gas sensors
 - laser flame sensors
- Which type of pull box is restricted for use in special applications?
 - Single-action
 - Glass-break
 - Double-action
 - Key-operated
- A verification method used by addressable systems is _____.
 - positive alarm sequence
 - wait-and-check
 - reset-and-resample
 - cross-zoning
- Fire warning system units for commercial use must be listed in accordance with _____.
 - UL 780
 - UL 864
 - UL 985
 - UL 995

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14. Primary power circuits supplying fire alarm systems must be protected by circuit breakers not larger than ____.
- 15A
 - 20A
 - 25A
 - 30A
15. The NFPA 72® Temporal 3 sound pattern for a fire alarm signal is ____.
- three short (½ sec.) tones, three long (1 sec.) tones, then a repeat
 - three long (1 sec.) tones, a pause, then a repeat
 - three short (½ sec.) tones, a pause, then a repeat
 - alternating single short (½ sec.) tones and long (1 sec.) tones
16. At 10 feet, public area audible notification devices must have a minimum rating of ____.
- 65 dBA
 - 75 dBA
 - 85 dBA
 - 95 dBA
17. Which of the following code-authorized signals does not require the approval of the AHJ?
- Attendant signal
 - Pre-signal
 - General signal
 - Positive alarm sequence
18. Which of the following conduits or cable cannot be buried?
- PVC
 - Galvanized rigid
 - Plain steel EMT
 - UG cable
19. Commercial fire alarm cables that run from floor to floor must be ____.
- general-purpose type
 - water-resistant
 - rated for riser use
 - run in PVC conduit
20. Power-limited fire alarm circuit conductors must be separated from nonpower-limited fire alarm circuit conductors by at least ____.
- 2"
 - 6"
 - 12"
 - 24"
21. How many conductors does a Class B SLC require to reach each device on a circuit?
- Two
 - Four
 - Six
 - Eight
22. An SLC that consists of a Class A main trunk with a Class B spur circuit is known as a ____.
- dual SLC
 - combined SLC
 - twin SLC
 - hybrid SLC
23. For smoke chamber definition purposes, an archway that extends down from the ceiling is considered a(n) ____.
- obstruction
 - boundary
 - open grid
 - beam pocket
24. The primary function of a duct smoke detector is to ____.
- sound an alarm for duct smoke
 - shut down an associated HVAC system
 - detect external open-area fires
 - disable a music system for evacuation
25. In a fire alarm system, a visual or audible supervisory signal must be ____.
- different from a visual alarm signal
 - the same as an alarm signal
 - different from a trouble signal
 - different from the alarm and trouble signals