



## U.S. Fire Administration / National Fire Academy

# Coffee Break's Over!

## Self-Evaluation

(Answers are on last page. Reference numbers in parentheses pertain to the Coffee Break Training bulletin of the same number.)

Student Name \_\_\_\_\_

Student ID # \_\_\_\_\_

Date \_\_\_\_\_

### Coffee Break Trainings 2006-23 to 2006-39

1. "Mounding" a bulk liquefied petroleum gas tank to protect it from exposure fire means covering the container by at least \_\_\_\_\_ inches of earth, sand, or other noncombustible, non-corrosive material such as vermiculite or perlite. (Reference 2006-25)
  - a. 2
  - b. 4
  - c. 6
  - d. 8
  - e. 10
  
2. Sprinkler system pipe hangers are engineered to hold (Reference 2006-37)
  - a. only the sprinkler pipe and valves.
  - b. the weight of the water-filled pipe, plus 500 pounds per square inch.
  - c. the weight of the water-filled pipe, plus a safety margin.
  - d. the weight of the water-filled pipe, valves, air compressors, and sprinklers.
  
3. On a dry-pipe sprinkler system, the discharge orifice from the inspector's test must be the same size as the smallest sprinkler on the system. (Reference 2006-30)
 

T or F
  
4. The "terminal" link in a commercial kitchen fire suppression system is (Reference 2006-23)
  - a. the farthest link from the agent control head on the discharge control cable.
  - b. a disposable link to be used when witnessing an acceptance test.
  - c. the leading cause of fire suppression system failures.
  - d. the lowest temperature-rated link in the discharge control cable.
  
5. Class I and III standpipe outlets should be provided on both sides of the exit doors leading to a horizontal exit. (Reference 2006-35)
 

T or F
  
6. Water spray systems are the only approved, reliable means of protecting bulk liquefied petroleum gas tanks from exposure fires. (Reference 2006-25)
 

T or F
  
7. What is the minimum number of water pressure gauges required on a wet-pipe sprinkler system with an alarm check valve? (Reference 2006-26)
  - a. 1.
  - b. 2.
  - c. 3.
  - d. None of the above; alarm check valves require air pressure gauges.

8. The Sprinkler Identification Number on a pendent sprinkler is the same as the sprinkler's patent number. (Reference 2006-29)
- T or F**
9. As a general rule, smoke detectors should not be installed within \_\_\_\_\_ inches of a heating, ventilation, or air conditioning diffuser. (Reference 2006-32)
- 18
  - 36
  - 48
  - 52
  - 60
10. Bulk wood chip piles should not be more than 60 feet in height, \_\_\_\_\_ feet in width, and 500 feet in length. (Reference 2006-34)
- 100
  - 250
  - 300
  - 400
  - 500
11. What is the maximum amount of Class II combustible liquids that may be stored in an outdoor mixed liquid pile totaling 22,000 gallons? (Reference 2006-30)
- 2,200 gallons.
  - 4,400 gallons.
  - 8,800 gallons.
  - 22,000 gallons.
  - None. The maximum total pile size should be 8,800 gallons if Class II liquids are included.
12. The minimum required fire resistance rating of a horizontal exit is \_\_\_\_\_ minutes. (Reference 2006-35)
- 60
  - 90
  - 120
  - 180
13. The minimum required clearance between sprinkler deflectors and storage when large-drop sprinklers are employed is (Reference 2006-27)
- 18 inches.
  - 24 inches.
  - 36 inches.
  - 48 inches.
  - None of the above.
14. The model fire codes require that the property owner designate a person who is responsible for a fire prevention program during construction. (Reference 2006-24)
- T or F**
15. Door latches, including panic hardware, must release when a \_\_\_\_\_- pound force is applied. (Reference 2006-26)
- 5
  - 10
  - 15
  - 18
  - 20
16. When SSU or SSP sprinklers are installed, there must be at least 18 inches of clearance between the sprinkler deflector and top of storage in such places as closets, where storage is on shelves along the wall. (Reference 2006-27)

**T or F**

17. An outdoor pile of 2,500 gallons of Class I-C flammable liquids must be at least \_\_\_\_\_ feet from a property line that is or can be built upon. (Reference 2006-31)
- 5
  - 10
  - 25
  - 50
  - None of the above.
18. The wand-like discharge nozzle of a Class K fire extinguisher is designed so the user can apply the agent onto the foam blanket from the fixed fire protection system in the commercial hood and duct system. (Reference 2006-38)
- T or F**
19. The minimum required fire resistance rating for opening protectives in a horizontal exit is \_\_\_\_\_ minutes. (Reference 2006-35)
- 60
  - 90
  - 120
  - 180
20. Bulk wood chip piles should be separated from one another by (Reference 2006-34)
- approved fire apparatus access roads.
  - 100 feet.
  - permanently mounted, remote-control master stream appliances.
  - 2-hour rated firewalls of reinforced masonry construction.
21. The “cULus” symbol on a sprinkler deflector indicates the product has met the Underwriters Laboratories listing criteria for \_\_\_\_\_ and the United States. (Reference 2006-29)
- Canada
  - Colombia
  - Chad
  - Costa Rica
  - None of the above.
22. The fire prevention program for buildings under construction may contain requirements for (Reference 2006-24)
- monitoring housekeeping and ignition control.
  - assuring means of communication to call the fire department during an emergency.
  - creation of prefire plans for the project.
  - monitoring the installation and commissioning of fire protection systems.
  - All of the above.
23. Installing the water supply pressure gauge for a sprinkler system on the main drain line will result in readings that suggest (Reference 2006-36)
- a main control valve is partially closed.
  - there is debris in the water supply line.
  - the sprinkler system has lost all air pressure.
  - an excessive pressure drop.
24. On a wet-pipe sprinkler system, the inspector’s test outlet may be located anywhere downstream of the main control valve. (Reference 2006-30)

**T or F**

25. A lip or guard is required across the front of retail hazardous material display shelves when (Reference 2006-33)
- flammable liquids are displayed.
  - aerosol containers are displayed without boxes.
  - flammable liquids in plastic containers are displayed.
  - the storage amount exceeds the permit amount required by the code.
26. When a water spray system is used to protect bulk liquefied petroleum gas tanks from exposure fires, it should have a minimum discharge density of \_\_\_\_\_ gallons per minute over the entire tank surface. (Reference 2006-25)
- 0.10
  - 0.15
  - 0.20
  - 0.25
  - 0.275
27. The K Factor embossed on a sprinkler deflector describes a mathematical coefficient of the discharge orifice. (Reference 2006-29)

T or F

28. Roof-top smoke and heat vents should be tested in accordance with (Reference 2006-28)
- ASTM 112.76.
  - UL 1432.
  - FM Global Standards of Good Practice.
  - manufacturer's recommendations.
29. Powered industrial truck Types D, E, G and G-LP are suitable for materials handling operations in general, ordinary hazard locations. (Reference 2006-39)

T or F

30. Select the powered industrial truck type most suitable for handling flammable or combustible liquid loads: (Reference 2006-39)
- Type DY.
  - Type EE.
  - Type LPS.
  - Type D.

Answers: 1. c; 2. c; 3. F; 4. a; 5. T; 6. F; 7. b; 8. F; 9. b; 10. c; 11. c; 12. c; 13. c; 14. T; 15. c; 16. F; 17. d; 18. T; 19. b; 20. a; 21. a; 22. c; 23. d; 24. T; 25. d; 26. d; 27. T; 28. d; 29. T; 30. b.