

## Chapter 7 Quiz

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Directions:** Write the correct letter on the blank before each question.

- \_\_\_\_\_ 1. A common negative factor cited in means of egress systems during fires is: (241)
- A. locked or blocked exit doors.
  - B. use of stairwells for emergency exits.
  - C. exits that discharge into a public way.
  - D. multiple exits for one occupancy area.
- \_\_\_\_\_ 2. Which of the following is a subsystem of a means of egress system? (244)
- A. Fire escape ladders
  - B. Automatic sprinklers
  - C. Personal shielding blankets
  - D. Fire escape slides or chutes
- \_\_\_\_\_ 3. Which type of exit is commonly used in high-rise buildings and hospitals as a means of passing through a fire-barrier wall that separates two fire compartments in a structure? (248)
- A. Vertical exit
  - B. Horizontal exit
  - C. Exit passageway
  - D. Smokeproof enclosure
- \_\_\_\_\_ 4. Which provides the highest degree of fire protection for stair enclosures that the model codes require? (249)
- A. Vertical exits
  - B. Horizontal exits
  - C. Exit passageways
  - D. Smokeproof enclosures

- \_\_\_\_\_ 5. What type of hardware is designed to allow occupants to egress freely while enabling the door to be secured from the outside? (254)
- A. Bolt locks
  - B. Panic hardware
  - C. Access-controlled egress
  - D. Electromagnetically locked
- \_\_\_\_\_ 6. Which of the following can slow access by fire and emergency services personnel and has been responsible for many fatalities? (256)
- A. Bolt locks
  - B. Security bars
  - C. Panic hardware
  - D. Self-closing doors
- \_\_\_\_\_ 7. Inspectors are concerned about floor coverings because: (257)
- A. floor coverings wear out quickly.
  - B. floor coverings are excluded from codes.
  - C. of the flammability of the materials used.
  - D. of the expense in replacing and updating floor coverings.
- \_\_\_\_\_ 8. Which of the following are likely to be poorly maintained and not secured to the wall? (260)
- A. Fire escape stairs
  - B. Fire escape slides
  - C. Fire escape shafts
  - D. Fire escape chutes
- \_\_\_\_\_ 9. Which of the following statements about wired exit signs is MOST accurate? (263)
- A. They must have an auxiliary power source.
  - B. They do not need an auxiliary power source.
  - C. Most model codes do not allow wired exit signs.
  - D. Wired exit signs must also be able to be self-illuminated.

- \_\_\_\_\_ 10. Occupant load is BEST described as the: (265)
- A. maximum number of persons that can comfortably fit in an area.
  - B. number of persons multiplied by the square footage given each person.
  - C. total number of persons which the building can hold plus a buffer of 10%.
  - D. total number of persons for which the means of egress of a building or portion thereof is designed.
- \_\_\_\_\_ 11. Who typically calculates the proposed occupant load? (265)
- A. Fire chief
  - B. Building owner
  - C. Design professional
  - D. Insurance representative
- \_\_\_\_\_ 12. The formula for determining occupant load is: (266)
- A. Occupant Load = Net Floor Area ÷ Area per Person
  - B. Occupant Load = Net Floor Area x Area per Person
  - C. Occupant Load = Net Floor Area x Number of Exits
  - D. Occupant Load = Gross Floor Area ÷ Area per Exit