

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