

## Wisconsin Commercial Building Inspector Certification Practice Exam (3)

1. Design snow loads shall be determined in accordance with \_\_\_\_\_, but the design roof load shall not be less than that determined by \_\_\_\_\_.
  - a. Section 1601, Section 1607
  - b. Chapter 7 of ASCE 7, Section 1607**
  - c. the IBC, the ASCE
  - d. the WCBC, the building official

**s. 1608.1**
  
2. \_\_\_\_\_ is normally filled with pressurized air that is arranged through the use of a device, such as dry pipe valve, to admit water into the system piping automatically upon the opening of a hose valve.
  - a. Dry sprinkler system
  - b. Manual sprinkler system
  - c. Automatic dry standpipe system**
  - d. Class I standpipe

**s. 902.1**
  
3. An intermediate level or levels between the floor and ceiling of any story with an aggregate floor area of not more than \_\_\_\_\_ of the area of the room or space in which the level or levels are located.
  - a. one-third**
  - b. one half
  - c. one quarter
  - d. two thirds

**s. 502.1**
  
4. Crawl spaces shall be provided with a minimum of one access opening not less than \_\_\_ inches by \_\_\_ inches
  - a. 18, 24**
  - b. 20, 30
  - c. 18, 30
  - d. 24, 36

**s. 1209.1**
  
5. The accessible route to public toilet facilities shall not pass through \_\_\_\_\_ or \_\_\_\_\_.
  - a. closets, tenant spaces
  - b. garages, tenant spaces
  - c. basements, storage rooms
  - d. kitchens, storage rooms**

**s. 2902.4**
  
6. A change in use of an elevator from freight to passenger, passenger to freight, or from one freight class to another freight class shall comply with \_\_\_\_\_.
  - a. ASCE 7
  - b. ANSI 117.1
  - c. ASME A17.1**
  - d. the IFC

**s. 3001.4**

7. Door handles, pulls, latches, locks and other operating devices shall be installed \_\_\_\_ inches minimum and \_\_\_\_ inches maximum above the finished floor.
- 34, 48**
  - ¼ inch
  - ½ inch
  - ¾ inch
- s. 1008.1.8.2**
8. The adjacent spaces of any \_\_\_\_\_ floors of the atrium shall not be required to be separated from the atrium where such spaces are included in computing the atrium volume for the design of the smoke control system.
- two
  - three**
  - three consecutive
  - two consecutive
- s 404.5**
9. Interior finish materials regulated by this chapter shall be applied or otherwise fastened in such a manner that such materials will not \_\_\_\_\_ where subjected to room temperatures of 200°F (93°C) for not less than 30 minutes.
- combust
  - exceed flame spread ratios
  - exceed smoke development ratios
  - readily become detached**
- s. 803.3**
10. \_\_\_\_\_, the owner of the building or structure shall designate in writing to the authority that issued plan approval the name and Wisconsin registration number of the architect, engineer or designer retained to supervise construction of the building or structure.
- During the construction phase
  - Prior to plan submittal
  - Prior to the start of construction**
  - Prior to project completion
- s. 61.50**
11. Unless otherwise specifically stated in this code, an existing building shall be maintained to conform to the building code requirements \_\_\_\_\_ and to conform with ch. Comm 14 wherever applicable.
- currently in effect
  - of the municipality
  - that applied when the building, was constructed**
  - determined by the designer
- s. 61.03(12)**
12. The minimum depth of footings below the undisturbed ground surface shall be \_\_\_\_ inches.
- 12**
  - 18
  - 30
  - 42
- s. 1805.2**

13. The removal of forms and shores, including from slabs and beams and the installation of re-shores shall comply with \_\_\_\_\_.
- a. ASTM E119
  - b. ACI 318**
  - c. AISI
  - d. ACI 219
- s. 1906.2**
14. \_\_\_\_\_ shall be provided to divide structural plain concrete members into flexurally discontinuous elements in accordance with ACI 318, Section 22.3.
- a. Stirrups
  - b. Reinforcing bars
  - c. Contraction or isolation joints**
  - d. Score marks
- s. 1909.3**
15. \_\_\_\_\_ are not required if the “M” occupancy is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow.
- a. Automatic smoke detectors
  - b. Automatic heat detectors
  - c. Manual fire alarm boxes**
  - d. Alarm horns and strobes
- s. 907.2.7**
16. \_\_\_\_\_ shall be provided throughout buildings classified as an enclosed parking garages in accordance with Section 406.4 or where located beneath other groups.
- a. An automatic sprinkler system**
  - b. An automatic alarm system
  - c. An automatic detection system
  - d. A smoke evacuation system
- s. 903.2.9**
17. \_\_\_\_\_ shall be manufactured and identified as required in AITC A190.1, and ASTM D 3737.
- a. Steel bar joists
  - b. Wood trusses
  - c. Precast panels
  - d. Glued laminated timbers**
- s. 2303.1.3**
18. Where dimensions of lumber are specified, they shall be deemed to be \_\_\_\_\_ dimensions unless specifically designated as \_\_\_\_\_ dimensions.
- a. actual, nominal
  - b. nominal, actual**
  - c. nominal, calculated
  - d. actual, calculated
- s. 2301.3**

19. Temporary structures that cover an area in excess of \_\_\_\_ square feet, which are used or intended to be used for the gathering together of ten or more persons, shall not be erected, operated or maintained for any purpose without obtaining a permit from the building official.
- a. 200
  - b. 1,000
  - c. 500
  - d. 120**
- s. 3103.1.1**
20. Openings in a shaft enclosure shall be protected in accordance with Section 714 as required for \_\_\_\_\_.
- a. fire walls
  - b. fire partitions
  - c. fire barriers**
  - d. smoke barriers
- s. 707.7**
21. Spaces within a building bound by fire walls, fire barriers and exterior walls where hazardous materials are stored not to exceed designated amounts are called \_\_\_\_\_.
- a. incidental storage
  - b. accessory spaces
  - c. control areas**
  - d. hazardous occupancy groups
- Def. 307.2 / 414.2**
22. Vertical exit enclosures four stories or more shall be \_\_\_\_\_.
- a. 1-hour fire resistance rated
  - b. non-combustible
  - c. 2-hour fire resistance rated**
  - d. protected by fire sprinklers
- 1020.1 / 707.4**
23. The use of structural plain concrete shall be limited to \_\_\_\_\_.
- a. simply supported beams
  - b. columns
  - c. walls and pedestals**
  - d. waffle slabs
- 1909.2**
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