

## Wisconsin Commercial Building Inspector Certification Practice Exam (2)

1. An automatic sprinkler system shall be provided for Group A-2 occupancies where the fire area has an occupant load of \_\_\_\_\_ or more.
  - a. 300
  - b. 100
  - c. 500
  - d. 200
  
2. The live loads used in the design of a library reading room shall not be less than \_\_\_\_ psf uniformly distributed and \_\_\_\_ psf concentrated live load.
  - a. 80, 1,000
  - b. 150, 1,000
  - c. 60, 1,000
  - d. 100, 2,000
  
3. Wood headers shall be of adequate size to transfer loads to \_\_\_\_\_.
  - a. vertical members
  - b. beams
  - c. the foundation
  - d. secondary members
  
4. \_\_\_\_\_ shall have sufficient structural stability under fire conditions to allow collapse of construction on either side without collapse of the wall for the duration of time indicated.
  - a. Fire walls
  - b. Fire barriers
  - c. Exterior walls
  - d. Shaft walls
  
5. The 42" guard height is measured vertically from \_\_\_\_\_.
  - a. the leading edge of the tread
  - b. adjacent walking surface
  - c. adjacent seatboard
  - d. all of the above
  
6. The exit access travel distance for a retail store protected by a fire sprinkler system is \_\_\_\_\_.
  - a. 200 feet
  - b. 300 feet
  - c. 250 feet
  - d. 400 feet
  
7. Weep holes shall be not less than \_\_\_\_\_ in diameter.
  - a. 3/16 inch
  - b. 1/4 inch
  - c. 1/2 inch
  - d. 3/4 inch

8. A mezzanine shall be open and unobstructed to the room in which such mezzanine is located except for walls not more than \_\_\_\_\_ high.
  - a. 36 inches
  - b. 42 inches
  - c. 48 inches
  - d. 60 inches
  
9. Compliance with this code does not relieve the \_\_\_\_\_ of a public building or place of employment from compliance with the administrative rules established by other state jurisdictions.
  - a. designer
  - b. supervising professional
  - c. contractor
  - d. owner
  
10. Plans for the types of public buildings and places of employment and components thereof delineated in Table \_\_\_\_\_ do not need to be submitted.
  - a. 61.30-1
  - b. 61.30-3
  - c. 61.30-2
  - d. 61.30
  
11. Exit enclosures, exit passageways or horizontal exits are separated by \_\_\_\_\_.
  - a. fire walls
  - b. fire partitions
  - c. fire barriers
  - d. rated enclosure walls
  
12. The ground snow loads to be used in determining the design snow loads for roofs shall be determined in accordance with \_\_\_\_\_ or figure 1608.2.
  - a. ASCE 7
  - b. AISI
  - c. ASTM D 6381
  - d. ACI 318
  
13. Material of the minimum nominal thickness specified in Table \_\_\_\_\_ shall be acceptable as approved weather coverings.
  - a. 1405.3
  - b. 1405.2
  - c. 1605.2
  - d. 1406.2
  
14. Buildings of type IIB, IIIB and VB equipped with an automatic fire sprinkler system can reduce the dwelling and sleeping unit separation to not less than \_\_\_\_\_.
  - a. 15 minutes
  - b. 1 hour
  - c. ½ hour
  - d. 20 minutes
  
15. The maximum number of control areas on any floor is \_\_\_\_\_.
  - a. two
  - b. three
  - c. four
  - d. unlimited when sprinklered

16. A self service storage facility with 150 spaces is required to provide the minimum of \_\_\_\_ accessible spaces.
- 5%
  - 10%
  - 25%
  - 15%
17. Decreases in wind loads shall not be made for the effect of \_\_\_\_\_ other structures.
- proximity to
  - height of
  - shape of
  - shielding by
18. The ground snow load of \_\_\_\_\_ can be assumed for Door County.
- 55 psf
  - 50 psf
  - 45 psf
  - 40 psf
19. Design snow loads shall be determined in accordance with Chapter 7 of \_\_\_\_\_ .
- ASTM D 6381
  - AISI
  - ACI 318
  - ASCE 7
20. Where two means of egress are provided from both floors served by an unenclosed stairway \_\_\_\_\_ of egress stairways are not required to be enclosed.
- 25%
  - two
  - 50%
  - 75%
21. Each required accessible means of egress shall be continuous to \_\_\_\_\_.
- a public way
  - an exit
  - an area of refuge
  - a rated stair enclosure
22. The clear width of 48 inches between handrails is not required for enclosed stairways accessed from a \_\_\_\_\_.
- stair enclosure
  - horizontal exit
  - rated corridor
  - area of refuge
23. Building height is determined from \_\_\_\_\_ to the average height of the highest roof surface.
- finished grade
  - the top of the foundation wall
  - grade 6 feet away
  - grade plane

24. Control areas shall be separated from each other by not less than 1-hour \_\_\_\_\_.
- a. fire walls
  - b. fire partitions
  - c. fire rated construction
  - d. fire barriers
25. When determining the minimum number of fixtures, the occupancy shall be determined by \_\_\_\_\_.
- a. chapter 29
  - b. the building official
  - c. the designer
  - d. chapter 3