

## Wisconsin Commercial Building Inspector Certification Practice Exam (1)

1. A building shall not be required to conform to the details of a \_\_\_\_\_ construction type which meets the minimum requirements of a lower type based on occupancy.
  - a. lower
  - b. higher
  - c. similar
  - d. alternate
  
2. In new construction, required smoke alarms shall receive their primary power from the building wiring where such wiring is served from a \_\_\_\_\_.
  - a. battery backup
  - b. emergency source
  - c. commercial source
  - d. alternate source
  
3. The fire resistance rating of fire partitions shall be \_\_\_\_\_.
  - a. 1-hour
  - b. 2-hour
  - c. based on occupancy
  - d. based on construction type
  
4. One way to determine if a floor level is a story below grade is if the finished surface of the floor above is \_\_\_\_\_ than \_\_\_\_\_ above grade plane.
  - a. more, 6 feet
  - b. less, 6 feet
  - c. more, 12 feet
  - d. less, 12 feet
  
5. Group "M" occupancies includes \_\_\_\_\_.
  - a. motor vehicle repair
  - b. fraternities
  - c. beauty salons
  - d. motor fuel-dispensing facilities
  
6. 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
  
7. Individually classified areas completely separated by fire barriers having ratings specified by table 508.3.3 are referred to as \_\_\_\_\_.
  - a. separated uses
  - b. accessory uses
  - c. fire areas
  - d. incidental uses

8. Plan approval for new buildings and additions shall expire \_\_\_\_\_.
- 1 year after construction commences
  - 2 years after the approval date
  - 2 years after construction commences
  - 3 years after the approval date
9. Supervision by a Wisconsin registered architect or engineer is not required if the building contains\_\_\_\_\_.
- less than 25,000 cubic feet
  - hazardous materials
  - unoccupied spaces
  - less than 50,000 cubic feet
10. The area of a single story, sprinklered "E" occupancy use group surrounded by at least 60 foot yards with not less than two means of egress from each classroom in construction types \_\_\_\_\_ shall be unlimited.
- II, III and V
  - I, II and III
  - II, IIIA and IV
  - I, II and IV
11. Vertical exit enclosures four stories or more shall be \_\_\_\_\_.
- 1-hour fire resistance rated
  - non-combustible
  - 2-hour fire resistance rated
  - protected by fire sprinklers
12. Balconies and similar projections of combustible construction shall not exceed \_\_\_\_\_ of the building perimeter on each floor.
- 50%
  - 25%
  - 75%
  - 10%
13. Handrail assemblies and guards shall be designed to resist a load of \_\_\_\_\_ applied in any direction. \_\_\_\_\_.
- 125 psf
  - 50 plf
  - 126 plf
  - 50 psf
14. The use of structural plain concrete shall be limited to \_\_\_\_\_.
- simply supported beams
  - columns
  - walls and pedestals
  - waffle slabs

15. The thickness of exterior basement walls and foundation walls shall be not less than \_\_\_\_\_.

- a. 8 inches
- b. 9 inches
- c. 7 ½ inches
- d. 12 inches

16. Surface burn characteristics of foam plastic insulation are a maximum flame spread index of \_\_\_\_\_ and a maximum smoke development index of \_\_\_\_\_.

- a. 75, 450
- b. 25, 450
- c. 450, 75
- d. 25, 250

17. Travel distance to employee toilet facilities shall not exceed \_\_\_\_\_.

- a. 250 feet
- b. 300 feet
- c. 150 feet
- d. 500 feet

18. Stairways shall have a minimum headroom clearance of \_\_\_\_\_.

- a. 76 inches
- b. 80 inches
- c. 72 inches
- d. 84 inches

19. Handrails serving stairs and ramps are permitted to protrude \_\_\_\_\_.

- a. 2.5 inches
- b. 3 inches
- c. 1.5 inches
- d. 4.5 inches

20. Automatic sprinkler systems shall be provided throughout all group E \_\_\_\_\_ greater than 20,000 square feet.

- a. buildings
- b. floor levels
- c. fire areas
- d. rooms

21. Ducts and air transfer openings shall not penetrate \_\_\_\_\_.

- a. fire walls
- b. fire barriers
- c. occupancy separations
- d. horizontal separations

22. The area of a mezzanine shall be included in determining \_\_\_\_\_.

- a. total stories
- b. fire area
- c. occupancy

d. construction type

23. The portion of exit access travel distance within an atrium shall not exceed \_\_\_\_\_.

- a. 300 feet
- b. 200 feet
- c. 75 feet
- d. 150 feet