

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

602.1.1

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

907.2.10.2

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

708.3

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

Def. 502.1

5. Group "M" occupancies includes _____.

- a. motor vehicle repair
- b. fraternities
- c. beauty salons
- d. **motor fuel-dispensing facilities**

309.1

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

Def. 307.2 / 414.2

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

508.3.3

8. Plan approval for new buildings and additions shall expire _____.

- a. 1 year after construction commences
- b. **2 years after the approval date**
- c. 2 years after construction commences
- d. 3 years after the approval date

61.36

9. Supervision by a Wisconsin registered architect or engineer is not required if the building contains_____.

- a. less than 25,000 cubic feet
- b. hazardous materials
- c. unoccupied spaces
- d. **less than 50,000 cubic feet**

61.50(1)(b)

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.

- a. II, III and V
- b. I, II and III
- c. **II, IIIA and IV**
- d. I, II and IV

507.9

11. 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

12. Balconies and similar projections of combustible construction shall not exceed _____ of the building perimeter on each floor.

- a. **50%**
- b. 25%
- c. 75%
- d. 10%

1406.3

13. Handrail assemblies and guards shall be designed to resist a load of _____ applied in any direction.

- a. 125 psf
- b. **50 plf**
- c. 125 plf
- d. 50 psf

1807.7.1

14. 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

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

1909.6.1

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

2603.3

17. Travel distance to employee toilet facilities shall not exceed _____.

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

2902.4.1

18. Stairways shall have a minimum headroom clearance of _____.

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

1009.2

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**

1012.7

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

903.2.2

21. Ducts and air transfer openings not on a lot line shall not penetrate _____.

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

705.11

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

- a. total stories
- b. **fire area**
- c. occupancy
- d. construction type

505.1

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

404.8