

**Continuing Education, For UDC Construction Inspectors and Dwelling Contractor Qualifiers.**

**The following test is for Continuing Education Credits for the above mentioned Licenses and Credentials, All answers are found in the Wisconsin Uniform Dwelling Code Book in comm. 20, 21, and 22. For your convenience we have included the PDF's for comm 20, comm 21 and comm 22 on the homepage of this website. Please call Brett at (920) 740-4348 with any questions or concerns with this or any other issue you may have.**

**All questions have a correct answer that can be found in the codebook, when your test is completed read the information at the bottom of the page and send the proper items in to obtain your credit**

## Construction Inspection/Qualifier Cont. Ed. Test 3

### Comm 20 Subchapter III: Definitions

1. \_\_\_\_\_ means an enhancement, upgrading or substantial change or modification other than an addition or repair to a dwelling or to electrical, plumbing, heating, ventilating, air conditioning and other systems within a dwelling.
  - a. Modification
  - b. Revision
  - c. Alteration
  - d. Amendment
  
2. \_\_\_\_\_ means a space under the roof and above the ceiling of the topmost part of the dwelling.
  - a. Atrium
  - b. Alcove
  - c. Garrett
  - d. Attic
  
3. \_\_\_\_\_ means that portion of a dwelling below the first floor or groundfloor with its entire floor below grade.
  - a. Crawlspace
  - b. Groundfloor
  - c. Basement
  - d. Subcellar
  
4. \_\_\_\_\_ means an approval by the department or its authorized representative.
  - a. Permitted
  - b. Authorized
  - c. Sanctioned
  - d. Approved
  
5. \_\_\_\_\_ means practices, techniques or measures that the department determines to be effective means of preventing or reducing pollutants of surface water generated from construction sites.
  - a. Best environmental practices
  - b. Best management practices
  - c. Best practices
  - d. Quality assurance

6. \_\_\_\_\_ means a comprehensive plan designed to reduce the discharge of pollutants from storm water, after the site has undergone stabilization, following completion of the construction activity.

- a. Storm water program
- b. Water quality control
- c. Storm water management plan
- d. Storm water management practices

7. \_\_\_\_\_ means any day other than Saturday, Sunday or a legal holiday.

- a. Work week
- b. Net working day
- c. Business day
- d. Flex time

8. \_\_\_\_\_ means a structure used for storing motorized vehicles that is attached to a dwelling that has at least 2 sides completely unenclosed.

- a. Carport
- b. Garage
- c. RV covers
- d. Attachment

9. \_\_\_\_\_ means the clear vertical distance from the finished floor to the finished ceiling.

- a. Wall height
- b. Entrance height
- c. Ceiling height
- d. Basement height

10. \_\_\_\_\_ means a person certified by the department to engage in the administration and enforcement of this code.

- a. State inspector
- b. Building inspector
- c. Licensed inspector
- d. Certified inspector

11. \_\_\_\_\_ means areas along the coast of Lake Michigan or Lake Superior below base flood elevation that is subject to wave runup or wave heights of 3 feet or more.

- a. Base floodplain
- b. Coastal zone
- c. Coastal construction
- d. Coastal floodplain

12. \_\_\_\_\_ means chs Comm 20 to 25, the Wisconsin uniform dwelling code.

- a. Regulations
- b. Policies
- c. Rules
- d. Code

13. \_\_\_\_\_ means a material or device used to retard or prevent the spread of flame or hot gases through concealed spaces into adjacent rooms or areas.

- a. Fireproofing
- b. Fireblocking
- c. Fire resistance
- d. Firefighting

14. \_\_\_\_\_ means that part of the fireplace used as a combustion chamber.

- a. Firebox
- b. Firetube
- c. Boiler
- d. Firebrick

15. \_\_\_\_\_ means the total amount of air necessary for the complete combustion of a fuel.

- a. Combustion air
- b. Exothermic chemical reaction
- c. Internal combustion
- d. Turbulent combustion

16. \_\_\_\_\_ means one or more vertical, or nearly so, passageways or flues for the purpose of conveying flue gases to the atmosphere.

- a. Stack effect
- b. Chimney
- c. Smoke stack
- d. Vent pipe

17. \_\_\_\_\_ means the same as smoke pipe.

- a. Chimney
- b. Chimney connector
- c. Smoke stack
- d. Vent pipe

18. \_\_\_\_\_ means the detailed system documentation and methods of assuring that manufactured dwellings and dwelling components are manufactured, stored, transported, assembled, handled and installed in accordance with this code.

- a. Quality assurance program
- b. Compliance assurance program
- c. Enforcement program
- d. Standards setting program

19. \_\_\_\_\_ means a method or device implemented to prevent or reduce erosion or the resulting deposition of soil or sediment.

- a. Environmental practice
- b. Quality control practice
- c. City ordinance
- d. Control practice

20. \_\_\_\_\_ is the rate at which heat must be removed from the space to maintain a selected indoor air temperature during periods of design outdoor weather conditions.

- a. Supplemental load
- b. Heat load
- c. Cooling load
- d. Evaporative cooling

#### **Comm 21.01: Loads and Materials**

21. Every dwelling shall be designed and constructed to support the actual dead load, live loads and wind loads acting upon it without \_\_\_\_\_ the allowable stresses of the material.

- a. Shifting
- b. Varying
- c. Changing
- d. Exceeding

22. The construction of buildings and structures shall result in a system that provides a complete \_\_\_\_\_ capable of transferring all loads from point of origin through the load-resisting elements to the foundation.

- a. Short path
- b. Load path
- c. Non-load path
- d. Non-continuous load path

23. Every dwelling shall be designed and constructed to support the \_\_\_\_\_ weight of all components and materials.

- a. Anticipated
- b. Actual
- c. Expected
- d. Probable

24. Earth-sheltered dwellings shall be designed and constructed to support the actual weight of all \_\_\_\_\_ loads.

- a. Soil
- b. Hydrostatic
- c. Building
- d. Live

25. Dwellings shall be designed and constructed to withstand a horizontal and uplift pressure of \_\_\_\_\_ pounds per square foot acting over the surface area.

- a. 5
- b. 10
- c. 20
- d. 30

26. Roof framing members spanning more than 6 feet measured from the outermost edge of the roof shall be \_\_\_\_\_ fastened to the top plate of load bearing walls using engineered clips, straps or hangers.

- a. Firmly
- b. Securely
- c. Temporarily
- d. Permanently

27. All dwellings shall be designed by the method of \_\_\_\_\_ or the method of accepted practice specified in each part of this code.

- a. Elasticity theory approach
- b. Mechanics of materials approach
- c. Finite element approach
- d. Structural analysis

28. The cumulative effects of \_\_\_\_\_ loads, such as snow, shall be considered in determining duration of load.

- a. Short-time
- b. Long-time
- c. Live
- d. Active

29. Reused lumber shall be considered to have a \_\_\_\_\_ of load factor of 0.90.

- a. Sum
- b. Amount
- c. Interval
- d. Duration

### **Comm 21.03: Exits, doors and hallways**

30. Exits from the first floor. Except as allowed under par. (h), every dwelling unit shall be provided with \_\_\_\_\_ exit door (s) accessible from the first floor.

- a. At least one
- b. At least two
- c. Several
- d. Swing

31. At least one of the exits shall discharge to grade.

- a. True
- b. False

32. A(n) \_\_\_\_\_ exit may discharge into an attached garage provided the garage has an exit door that discharges to grade.

- a. Additional
- b. Emergency
- c. Street
- d. None of the above

33. For exiting through an attached garage, the \_\_\_\_\_ distance shall be measured using the door connecting the garage and the dwelling.

- a. Safety
- b. Total
- c. Separation
- d. None of the above

34. Dwellings consisting of no more than a first floor with a maximum floor area of 400 square feet and a loft area not exceeding (a) \_\_\_\_\_ of the first floor area, shall be provided with at least one exit door leading directly to the exterior and at least one egress window that complies with sub. (6).

- a. Half
- b. Quarter
- c. Third
- d. Two-thirds

35. Windows which are installed for exit purposes shall comply with the requirements of this subsection. The window shall be openable from the inside without the use of tools or the removal of a \_\_\_\_\_.

- a. Mullion
- b. Grille kit
- c. Hinge
- d. Sash

36. The nominal size of the net clear window opening shall be at least \_\_\_\_\_ irrespective of height or width.

- a. 20 inches by 24 inches
- b. 36 inches by 36 inches
- c. 30 inches by 30 inches
- d. 22 inches by 26 inches

37. No portion of the window, including stops, stools, meeting rails and operator arms, shall infringe on the required opening.

- a. True
- b. False

38. Hallways shall be at least \_\_\_\_\_ feet in width except that door hardware, finish trim and heating registers may infringe upon this dimension.

- a. 2
- b. 2.5
- c. 3
- d. 3.5

39. Balconies shall be made of concrete, metal or wood which is treated, protected or \_\_\_\_\_ decay-resistive in accordance with s. Comm 21.10.

- a. Artificially
- b. Unusually
- c. Synthetically
- d. Naturally

**Comm 21.04: Stairways and elevated areas.**

40. Within a stairway flight, tread depths and riser heights may vary by a \_\_\_\_\_ of 3/16 inch.

- a. Fraction
- b. Total
- c. Minimum
- d. Maximum

**DEPARTMENT OF COMMERCE Comm 22.10**

41. Chapter Comm 22 as it existed on March 31, 2009, was repealed and a new chapter Comm 22 was created effective \_\_\_\_\_ .

- a. March 31, 2009
- b. June 31, 2009
- c. April 1, 2009
- d. May 1, 2009



## Subchapter I — Scope and Application

**42.** Comm 22.01 Scope. (1) This chapter applies to all one–and 2–family dwellings covered by this code that use any amount of \_\_\_\_\_ energy for heat generation.

- a. Renewable
- b. Non–renewable
- c. Stored mechanical
- d. Gravitational

**43. Note:** Non–renewable energy sources used for heat distribution only \_\_\_\_\_ require compliance with this chapter.

- a. Will not
- b. Will
- c. May
- d. None of the above

**44. Note:** The Public Service Commission has rules regulating “non–essential uses” of natural gas, such as \_\_\_\_\_ in ch. PSC 136 of the Wisconsin Administrative Code.

- a. Snow melting
- b. Lighting
- c. Feedstock or industrial uses
- d. a AND b

**45.** The equipment efficiency standards in this chapter apply to all \_\_\_\_\_ dwellings covered by this code that use the respective equipment.

- a. One family
- b. Two family
- c. a AND b
- d. None of the above

**46.** The vapor retarder requirements under s. Comm 22.38 and the moisture control and ventilation requirements under s. Comm 22.39 apply to any dwelling with insulation installed, \_\_\_\_\_.

- a. Whether or not the insulation is required under this code
- b. If local municipality requires it
- c. With limited exceptions
- d. Provided laws do not change

### **Comm 22.02 Application.**

**47.** This chapter is not intended to conflict with any safety or health requirements. Where a conflict occurs, \_\_\_\_\_ shall govern.

- a. This code
- b. The Safety and health requirements
- c. The Safety requirements
- d. The Health requirements

**48.** This chapter allows the designer the option of using \_\_\_\_\_ methods to demonstrate compliance with thermal performance requirements.

- a. Limited
- b. Approved
- c. Various
- d. Researched

**49.** The designer shall identify on the plan submittal form \_\_\_\_\_ is being used, and indicate the design criteria and how it is being applied.

- a. What method
- b. Subchapter
- c. a AND b
- d. None of the above

**50.** Unless specifically exempted, all requirements of this chapter apply \_\_\_\_\_.

- a. To all contractors
- b. Until the law changes
- c. Until further notice
- d. Regardless of the method used

## **Subchapter II — Definitions**

**51.** \_\_\_\_\_ means having an air permeance less than or equal to 0.02 L/s-m<sup>2</sup> at a pressure differential of 75 pascals when tested according to ASTM E 2178 or ASTM E 283.

- a. Conditioned floor area
- b. Conditioned space
- c. Air-impermeable
- d. Dwelling thermal envelope

**52.** \_\_\_\_\_ means the sum of areas of all floors in conditioned space in the structure, including basements, cellars, and intermediate floored levels measured from the exterior faces of exterior walls or from the center line of interior walls, excluding covered walkways, open roofed-over areas, porches, exterior terraces or steps, chimneys, roof overhangs and similar features.

- a. Conditioned space
- b. Dwelling thermal envelope
- c. Conditioned floor area
- d. Crawl space wall

**53.** \_\_\_\_\_ means space within the dwelling thermal envelope which is provided with heated air or surfaces to provide a heated space capable of maintaining the temperature of the space to at least 50°F at design conditions.

- a. Conditioned space
- b. Crawl space wall
- c. Dwelling thermal envelope
- d. Air- impermeable

**54.** \_\_\_\_\_ means the opaque portion of a wall which encloses a crawl space and is partially or totally below grade.

- a. Crawl space wall
- b. Conditioned space
- c. Dwelling thermal envelope
- d. Exterior wall area

**55.** \_\_\_\_\_ means the elements of a dwelling with enclosed conditioned space through which thermal energy may be transferred to or from unconditioned space or the exterior.

- a. Crawl space
- b. Conditioned space
- c. Exterior wall area
- d. Dwelling thermal envelope

**56.** \_\_\_\_\_ means the normal projection of the dwelling envelope wall area bounding interior space which is conditioned by an energy-using system including opaque wall, window and door area. Any skylight shaft walls that are 12 inches or more in depth, measured from the ceiling plane to the roof deck, are considered in the area of exterior walls and are not considered part of the roof assembly.

- a. Heated slab
- b. Crawl space
- c. Dwelling thermal envelope
- d. Exterior wall area

**57.** \_\_\_\_\_ slab means a floor slab in which an uninsulated heating element, uninsulated hydronic tubing or uninsulated hot air distribution system is in contact with the slab or placed within the slab or the subgrade.

- a. Travertine
- b. Heated
- c. Natural stone
- d. Granite

**58.** \_\_\_\_\_ means heating, ventilating and air conditioning.

- a. HVAC
- b. HVAC system
- c. Climate control
- d. High voltage alternating current

**59.** \_\_\_\_\_ means the equipment, distribution network, and terminals that provide either collectively or individually the processes of heating, ventilating, or air conditioning to a building.

- a. HVAC
- b. Ventilation
- c. HVAC system
- d. Heating

**60.** \_\_\_\_\_ means the uncontrolled inward air leakage through cracks and interstices in any dwelling element and around windows and doors of a dwelling caused by the pressure effects of wind, and the effect of differences in the indoor and outdoor air density.

- a. C-rated
- b. Infiltration
- c. Mass wall
- d. Opaque area

**61.** \_\_\_\_\_ means an electrical fixture tested and listed by an independent testing laboratory as being suitable for installation in a cavity where the fixture may be in direct contact with thermal insulation or combustible materials.

- a. Infiltration
- b. Mass wall
- c. Opaque area
- d. C-rated

**Construction Inspection/Qualifier Cont. Ed. Test 3**

**Answer Sheet**

**Circle or Mark the Correct Answer**

- |     |   |   |   |   |     |   |   |   |   |
|-----|---|---|---|---|-----|---|---|---|---|
| 1.  | a | b | c | d | 49. | a | b | c | d |
| 2.  | a | b | c | d | 50. | a | b | c | d |
| 3.  | a | b | c | d | 51. | a | b | c | d |
| 4.  | a | b | c | d | 52. | a | b | c | d |
| 5.  | a | b | c | d | 53. | a | b | c | d |
| 6.  | a | b | c | d | 54. | a | b | c | d |
| 7.  | a | b | c | d | 55. | a | b | c | d |
| 8.  | a | b | c | d | 56. | a | b | c | d |
| 9.  | a | b | c | d | 57. | a | b | c | d |
| 10. | a | b | c | d | 58. | a | b | c | d |
| 11. | a | b | c | d | 59. | a | b | c | d |
| 12. | a | b | c | d | 60. | a | b | c | d |
| 13. | a | b | c | d | 61. | a | b | c | d |
| 14. | a | b | c | d |     |   |   |   |   |
| 15. | a | b | c | d |     |   |   |   |   |
| 16. | a | b | c | d |     |   |   |   |   |
| 17. | a | b | c | d |     |   |   |   |   |
| 18. | a | b | c | d |     |   |   |   |   |
| 19. | a | b | c | d |     |   |   |   |   |
| 20. | a | b | c | d |     |   |   |   |   |
| 21. | a | b | c | d |     |   |   |   |   |
| 22. | a | b | c | d |     |   |   |   |   |
| 23. | a | b | c | d |     |   |   |   |   |
| 24. | a | b | c | d |     |   |   |   |   |
| 25. | a | b | c | d |     |   |   |   |   |
| 26. | a | b | c | d |     |   |   |   |   |
| 27. | a | b | c | d |     |   |   |   |   |
| 28. | a | b | c | d |     |   |   |   |   |
| 29. | a | b | c | d |     |   |   |   |   |
| 30. | a | b | c | d |     |   |   |   |   |
| 31. | a | b | c | d |     |   |   |   |   |
| 32. | a | b | c | d |     |   |   |   |   |
| 33. | a | b | c | d |     |   |   |   |   |
| 34. | a | b | c | d |     |   |   |   |   |
| 35. | a | b | c | d |     |   |   |   |   |
| 36. | a | b | c | d |     |   |   |   |   |
| 37. | a | b | c | d |     |   |   |   |   |
| 38. | a | b | c | d |     |   |   |   |   |
| 39. | a | b | c | d |     |   |   |   |   |
| 40. | a | b | c | d |     |   |   |   |   |
| 41. | a | b | c | d |     |   |   |   |   |
| 42. | a | b | c | d |     |   |   |   |   |
| 43. | a | b | c | d |     |   |   |   |   |
| 44. | a | b | c | d |     |   |   |   |   |
| 45. | a | b | c | d |     |   |   |   |   |
| 46. | a | b | c | d |     |   |   |   |   |
| 47. | a | b | c | d |     |   |   |   |   |
| 48. | a | b | c | d |     |   |   |   |   |

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Name and Credential Number

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Date

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Course Title and Name \_\_\_\_\_ Construction Inspection/Qualifier Cont. Ed. Test 3 \_\_\_\_\_  
Credited Hours 2 hrs \_\_\_\_\_  
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