

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 8

Comm 20 Subchapter III: Definitions

1. _____ means the vertical load due to all permanent structural and nonstructural components of the building such as joists, rafters, sheathing, finishes and construction assemblies such as walls, partitions, floors, ceilings and roofs, and systems.
 - a. Dead load
 - b. Allowable stress
 - c. Live load
 - d. Actual load

2. _____ means an unenclosed exterior structure, attached or adjacent to the exterior wall of a building, which has a floor, but no roof.
 - a. Deck
 - b. Balcony
 - c. Landing
 - d. Veranda

3. _____ means the department of commerce.
 - a. Department
 - b. Division
 - c. Branch
 - d. Local office

4. _____ means any building which is not physically connected to the dwelling.
 - a. Accessory building
 - b. Renovation
 - c. Detached building
 - d. Addition

5. _____ means a device or seal approved by the department to certify compliance with this code.
 - a. Wisconsin crest
 - b. Wisconsin insignia
 - c. Wisconsin stamp
 - d. Wisconsin qualified

6. _____ means air that is provided for the purpose of mixing with flue gases in a draft hood or draft regulator.
 - a. Concentration air
 - b. Dilution air
 - c. Moisture-laden emission
 - d. Aeration

7. _____ means a gas-burning appliance that is constructed and installed so that all air for combustion is derived directly from the outside atmosphere and all flue gases are discharged to the outside atmosphere.
- Direct vent-appliance
 - Co-axial venting
 - Vertical venting
 - Field direct vent system
8. _____ means a method that collects, stores and converts by bacterial digestion nonliquid-carried human wastes or organic kitchen wastes, or both, into humus.
- Composting toilet system
 - Septic system
 - Organic toilet system
 - Arborloo
9. _____ means any building, the initial construction of which is commenced on or after the effective date of this code, which contains one or 2 dwelling units.
- Occupancy
 - Real estate
 - Dwelling
 - Property
10. _____ means any person, firm or corporation engaged in the business of performing erosion control or construction works such as framing, roofing, siding, insulating, masonry or window replacement work covered under this code and who takes out a building permit.
- Qualifier certification
 - Eligible contractor
 - Construction contractor
 - Dwelling contractor
11. _____ means a vertical flue or passageway to vent fuel-burning appliances.
- Volcano
 - Vent
 - Flue
 - Duct
12. _____ is a connector between a fuel-burning appliance and the chimney or vent.
- Duct
 - Flue
 - Vent
 - Vent connector

13. Dwelling contractor does not include the owner of an existing dwelling, an owner who will reside in a new dwelling or a person, firm or corporation engaging exclusively in electrical, plumbing, heating, ventilating and air conditioning work.

- a. True
- b. False

14. _____ means the detachment and movement of soil, sediment or rock fragments by water, wind, ice, or gravity.

- a. Weathering
- b. Erosion
- c. Sedimentation
- d. Soil compaction

15. _____ means a direct, continuous, unobstructed means of egress from inside the dwelling to the exterior of the dwelling.

- a. Entrance
- b. Outlet
- c. Foyer
- d. Exit

16. _____ means any structure, or that part of a structure, which is used or intended to be used as a home, residence or sleeping place by one person or by 2 or more persons maintaining a common household, to the exclusion of all others.

- a. Accessory dwelling unit
- b. Dwelling unit
- c. Residential unit
- d. Structural unit

17. _____ means a detached building, not used as a dwelling unit but is incidental to that of the main building and which is located on the same lot. _____ does not mean farm building.

- a. Accessory structure
- b. Secondary building
- c. Habitable building
- d. Accessory building

18. _____ is defined to be the area which is planted and cultivated.

- a. Premises
- b. Farm premises
- c. Farm
- d. Acreage

19. _____ are defined as agricultural, horticultural and arboricultural crops.

- a. Farming
- b. Farm production
- c. Farm products
- d. Free range products

20. _____ means the operation of a farm premises owned or rented by the operator.

- a. Agriculture
- b. Horticulture
- c. Arboriculture
- d. Farming

Comm 21.04: Stairways and elevated areas.

21. Stairways with open risers shall be constructed to prevent the through-passage of a sphere with a diameter of 4 inches or larger between any 2 _____ treads.

- a. Contiguous
- b. Parallel
- c. Reinforced
- d. Adjacent

22. Handrails and guardrails shall be constructed to withstand a _____ pound load applied in any direction.

- a. 50
- b. 75
- c. 100
- d. 200

23. A landing is not required between the door and the top of the interior stairs if the door does not _____ the stairs.

- a. Affect
- b. Infringe on
- c. Rest on
- d. Swing over

24. A landing is not required between a sliding glass door and the top of an exterior stairway of _____ or fewer risers.

- a. 3
- b. 2
- c. 4
- d. 5

Comm 21.042: Ladders

25. Rungs may only be used for ladders with a pitch range of 75 degrees to _____ degrees.

- a. 80
- b. 85
- c. 95
- d. 90

26. Rungs shall be at least 1 inch in diameter for metal ladders and _____ inch for wood ladders.

- a. 1.5
- b. 1
- c. 2
- d. 2.5

27. The ladder shall have a _____ clearance of at least 15 inches on either side of the center of the tread.

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

Comm 21.045 Ramps

28. A level landing shall be provided at the top, at the foot and at any change in _____ of the ramp.

- a. Width
- b. Height
- c. Elevation
- d. Direction

Comm 21.05: Light and ventilation

29. All habitable rooms shall be provided with natural light by means of _____ openings.

- a. Energy efficient
- b. Thermalized
- c. Glazed
- d. Operative

30. Habitable rooms, other than bedrooms, located in basements or ground floors do require natural light.

- a. True
- b. False

31. All decayable organic material, including topsoil, shall be removed from crawl space floors prior to placing the vapor retarder.

- a. True
- b. False

Comm 21.06: Ceiling height

32. All habitable rooms, kitchens, hallways, bathrooms and corridors shall have a ceiling height of at least _____ feet.

- a. 6
- b. 8
- c. 9
- d. 7

Comm 21.08: Fire separation and dwelling unit separation

33. Vertical separations between an attached garage and a dwelling shall extend from the top of a concrete or masonry foundation to the underside of the _____ or fire-resistive ceiling construction.

- a. Built-up roofing
- b. Roof sheathing
- c. Gable ends
- d. Trusses

34. The cover or door of the access opening shall be permanently installed with hardware that will maintain it in the _____ position when not in use.

- a. Closed
- b. Open
- c. Secured
- d. Correct

35. Penetrations of a required separation by electrical and plumbing components shall be firmly packed with noncombustible material or shall be protected with a listed through-penetration firestop system with a rating of at least _____ hour(s).

- a. Two
- b. One-quarter
- c. One-half
- d. One

Comm 21.085: Fireblocking

36. Fireblocking shall consist of one of the following EXCEPT:

- a. 1-inch nominal lumber
- b. Two layers of one-inch nominal lumber
- c. One thickness of $\frac{3}{4}$ inch nominal plywood or wood structural panel with any joints backed with the same material.
- d. One thickness of $\frac{1}{2}$ inch gypsum wallboard, faced nailed or faced screwed to solid wood, with any joints backed with the same material.

Comm 21.09: Smoke detectors

37. Smoke detectors required in this section shall be _____ powered by the house electrical service, and shall be interconnected so that activation of one detector will cause activation of all detectors.

- a. Intermittently
- b. Additionally
- c. Continuously
- d. Automatically

38. Where there is a(n) _____ door between one level and the adjacent lower level, smoke detectors shall be installed on each level.

- a. Intervening
- b. Pocket
- c. Hinged
- d. Swing

39. For envelope dwellings, at least _____ smoke alarm(s) shall be placed in the air passageways.

- a. 4
- b. 1
- c. 2
- d. 3

Comm 21.125: Erosion control and sediment control

40. Land disturbing construction activities, except those activities _____ to implement erosion or sediment control practices, may not begin until the sediment control practices are in place for each area to be disturbed in accordance with the approved plan.

- a. Established
- b. Permitted
- c. Mandated
- d. Necessary

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-m² 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

Comm 20 Subchapter III: Definitions

61. _____ means any building, building component, assembly or system manufactured in such a manner that it cannot be inspected before installation at the building site without disassembly, damage, or destruction.

- a. Closed construction
- b. Open construction
- c. Manufactured construction
- d. Initial construction

62. _____ means granular material, such as gravel or crushed stone, that is predominately retained on a sieve with square openings of 4.75 mm or .18 inch.

- a. Asphalt
- b. Construction aggregate
- c. Coarse aggregate
- d. Fine aggregate

63. _____ means any building, building component, assembly or system manufactured in such a manner that it can be readily inspected at the building site without disassembly, damage or destruction.

- a. Manufactured construction
- b. Closed construction
- c. Open construction
- d. Modern construction

64. The higher the perm rating of a material is, the more difficult it is for water vapor to pass through it.

- a. True
- b. False

65. _____ is a projection of masonry or a filled cell area of masonry for the purpose of bearing concentrated loads or to stiffen the wall against lateral forces.

- a. Column
- b. Pilaster
- c. Entablature
- d. Buttress

66. _____ is a masonry wall composed of 2 or more wythes of masonry units tied or bonded together.

- a. Load bearing wall
- b. Single-wythe wall
- c. Multi-wythe wall
- d. Composite wall

67. _____ means an unenclosed exterior structure at or near grade attached or adjacent to the exterior wall of any building, and having a roof and floor.

- a. Porch
- b. Balcony
- c. Deck
- d. Garage

68. _____ means the act or process of restoring to original soundness, including redecorating, refinishing, nonstructural repairs or maintenance, or the replacement of existing fixtures, systems or equipment with equivalent fixture, system or equipment.

- a. Restore
- b. Repair
- c. Reupholster
- d. Refurbish

69. _____ means a shingle with a second layer of asphalt and mat laminated to the first layer, usually in a design pattern to simulate the dimensional appearance of natural slate or wood shakes.

- a. Organic asphalt shingle
- b. Laminated shingle
- c. Fiberglass asphalt shingle
- d. Strip shingle

70. _____ means a shingle with an internal mat composed of organic fibers, such as cellulose, that is saturated and coated with asphalt.

- a. Organic asphalt shingle
- b. Laminated shingle
- c. Fiberglass asphalt shingle
- d. Strip shingle

71. _____ means a rectangle shingle that relies either on a sealant or on a combination of weight and stiffness to resist wind uplift, rather than using interlocking tabs.

- a. Organic asphalt shingle
- b. Laminated shingle
- c. Fiberglass asphalt shingle
- d. Strip shingle

Comm 21.17: Drain tiles

72. The basement slab shall be placed on at least _____ inch (es) of clean graded sand, gravel or crushed stone.

- a. 1
- b. 2
- c. 3
- d. 4

Comm 21.203: Garage Floors

73. Garage floors shall be constructed of concrete or other noncombustible materials which are _____ to petroleum products.

- a. Permeable
- b. Impermeable
- c. Resistant
- d. Impervious

Comm 21.22: Wood frame floors

74. Notching and boring of beams or girders is prohibited unless determined through structural analysis.

- a. True
- b. False

75. A hole may not be bored in a floor within 2 inches of a notch or another hole.

- a. True
- b. False

76. Trimmers and headers shall be _____ when the span of the header exceeds 4 feet.

- a. Reinforced
- b. Modified
- c. Extended
- d. Doubled

Comm 21.24: Exterior covering

77. The exterior walls shall be covered with a _____ weather resistant finish.

- a. Durable
- b. Permanent
- c. Approved
- d. Shatterproof

78. During construction, wall cavity _____ may not be installed until a water-resistant exterior covering is in place over the wall cavity.

- a. Material
- b. Insulation
- c. Blockwork
- d. Panels

79. Corrosion-resistant flashing shall be installed in the _____ wall to prevent water from entering the wall cavity or coming in contact with the structural framing components.

- a. Opposing
- b. Adjacent
- c. Interior
- d. Exterior

80. The flashing shall extend to the surface of the exterior wall finish and prevent water from _____ the exterior wall.

- a. Reentering
- b. Damaging
- c. Entering
- d. Saturating

Comm 21.26: Masonry walls

81. In cold weather, provisions shall be taken to prevent masonry from being _____ by freezing.

- a. Affected
- b. Altered
- c. Damaged
- d. None of the above

82. All previously used masonry units shall be free from _____ defects which interfere with the installation or impair the structural properties of the unit.

- a. Physical
- b. Major
- c. Significant
- d. Minor

83. Only _____ may be used as an accelerant and shall be limited to 2% by weight of the cement used.

- a. Mineral oxide
- b. Sodium chloride
- c. Calcium chloride
- d. Chlorocalcite

84. Only _____ may be used as mortar color and shall not exceed 10% by weight of the cement used.

- a. Red iron oxide
- b. Sodium chloride
- c. Calcium chloride
- d. Mineral oxide

85. Mortar shall be mixed for at least _____ minutes after all ingredients have been added with the maximum amount of water to produce workable consistency.

- a. 4
- b. 3
- c. 5
- d. 10

86. Mortars shall be used and placed in final position within _____ hours after mixing.

- a. 1 ½
- b. 2
- c. 2 ½
- d. 3

87. Masonry veneers may be corbeled over the foundation wall, but the corbelling shall not exceed one inch.

- a. True
- b. False

88. Weep holes shall be provided at the bottom masonry course at _____ intervals of 2 feet.

- a. Accepted
- b. Regular
- c. Minimum
- d. Maximum

89. All veneers, supports and attachments shall be _____ or adhesively anchored.

- a. Automatically
- b. Routinely
- c. Mechanically
- d. Physically

Comm 21.27: Roof and ceilings

90. Roofs shall withstand a pressure of at least _____ pounds per square foot acting upward normal to the roof surface.

- a. 10
- b. 20
- c. 30
- d. 35

Construction Inspection/Qualifier Cont. Ed. Test 8

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 | 62. | a | b | c | d |
| 15. | a | b | c | d | 63. | a | b | c | d |
| 16. | a | b | c | d | 64. | a | b | c | d |
| 17. | a | b | c | d | 65. | a | b | c | d |
| 18. | a | b | c | d | 66. | a | b | c | d |
| 19. | a | b | c | d | 67. | a | b | c | d |
| 20. | a | b | c | d | 68. | a | b | c | d |
| 21. | a | b | c | d | 69. | a | b | c | d |
| 22. | a | b | c | d | 70. | a | b | c | d |
| 23. | a | b | c | d | 71. | a | b | c | d |
| 24. | a | b | c | d | 72. | a | b | c | d |
| 25. | a | b | c | d | 73. | a | b | c | d |
| 26. | a | b | c | d | 74. | a | b | c | d |
| 27. | a | b | c | d | 75. | a | b | c | d |
| 28. | a | b | c | d | 76. | a | b | c | d |
| 29. | a | b | c | d | 77. | a | b | c | d |
| 30. | a | b | c | d | 78. | a | b | c | d |
| 31. | a | b | c | d | 79. | a | b | c | d |
| 32. | a | b | c | d | 80. | a | b | c | d |
| 33. | a | b | c | d | 81. | a | b | c | d |
| 34. | a | b | c | d | 82. | a | b | c | d |
| 35. | a | b | c | d | 83. | a | b | c | d |
| 36. | a | b | c | d | 84. | a | b | c | d |
| 37. | a | b | c | d | 85. | a | b | c | d |
| 38. | a | b | c | d | 86. | a | b | c | d |
| 39. | a | b | c | d | 87. | a | b | c | d |
| 40. | a | b | c | d | 88. | a | b | c | d |
| 41. | a | b | c | d | 89. | a | b | c | d |
| 42. | a | b | c | d | 90. | 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 | | | | | |

Name and Credential Number

Date

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- Questions call: 920-740-4348

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Course Title and Name Construction Inspection/Qualifier Cont. Ed. Test 8

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