

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 9

Comm 20 Subchapter III: Definitions

1. _____ means the floor area within the fire chamber of a fireplace.
 - a. Firepit
 - b. Hearth extension
 - c. Hearth
 - d. Inglenook

2. The _____ of a fireplace is the slot-like opening above the firebox through which flames, smoke and other products of combustion pass into the smoke chamber.
 - a. Ash pit
 - b. Throat
 - c. Damper
 - d. Lintel

3. _____ means the surfacing applied to the floor area extending in front of and at the sides of the fireplace opening.
 - a. Firepit
 - b. Inglenook
 - c. Hearth
 - d. Hearth extension

4. _____ is the estimated heat loss of each room or space to be heated, based on maintaining a selected indoor air temperature during periods of design outdoor weather conditions.
 - a. Cooling load
 - b. Supplemental load
 - c. Evaporative load
 - d. Heating load

5. _____ means a masonry unit which has a net cross-sectional area parallel to the bearing face which is less than 75% of the gross cross-sectional area.
 - a. Grouted unit
 - b. Ungouted unit
 - c. Solid unit
 - d. Hollow unit

6. _____ means a self-contained device for the treatment of nonliquid carried wastes that deposits the wastes directly into a combustion chamber, reduces the solid portion to ash and evaporates the liquid portion.

- a. Portable toilet
- b. Alternative toilet
- c. Incinerating toilet
- d. Composting toilet

7. _____ means any person, firm, association, partnership or corporation certified by the department to perform certified inspections under this code.

- a. Independent inspection agency
- b. Certified building inspector
- c. Licensed inspection agency
- d. State approved inspection agency

8. _____ means a glazed opening in an exterior wall, including glazed portions of doors, within a conditioned space.

- a. Casement
- b. Skylight
- c. Porthole
- d. Window

9. _____ means a permit issued by a municipality that does not conduct inspections or plan reviews under this code.

- a. Wisconsin Procedural Permit
- b. Wisconsin Executive Permit
- c. Wisconsin Governmental Permit
- d. Wisconsin Administrative Permit

10. _____ means the date of issuance of the Wisconsin uniform building permit.

- a. Construction permit
- b. Initial construction
- c. Pre-construction period
- d. Start-up construction

11. _____ means any device that uses gas as a fuel or raw material to produce light, heat, power, refrigeration or air conditioning.

- a. Motor driven appliance
- b. Reconditioned appliance
- c. Free standing appliance
- d. Gas appliance

12. _____ means that level of a dwelling, below the first floor, located on a site with a sloping or multilevel grade and which has a portion of its floor line at grade.

- a. Basement
- b. Groundfloor
- c. Sublevel
- d. Cellar

13. _____ means the assembly of a manufactured building on site and the process of affixing a manufactured building to land, a foundation, footing or an existing building.

- a. Constructing
- b. Assembling
- c. Installation
- d. Fabricating

14. _____ means areas used, or designed to be used, for the preparation of food.

- a. Kitchen
- b. Island
- c. Breakfast nook
- d. Dining room

15. _____ means the level portion of a stairs located between flights of stairs or located at the top and foot of stairs.

- a. Stairway
- b. Staircase
- c. Landing
- d. Stairwell

16. _____ means equipment or building components which are tested by an independent testing agency and accepted by the department.

- a. Building investigation and testing
- b. Listed and listing
- c. Construction approved
- d. State endorsed

17. _____ means the weight superimposed on the floors, roof and structural and nonstructural components of the dwelling through use and by snow, ice or rain.

- a. Heat load
- b. Active load
- c. Live load
- d. Cooling load

18. _____ means an upper room or floor which has at least 50% of the common wall open to the floor below.

- a. Rigging loft
- b. Upper story
- c. Attic
- d. Loft

19. _____ means any man-made alteration of the land surface resulting in a change in the topography or existing vegetative or non-vegetative soil cover, that may result in storm water runoff and lead to an increase in soil erosion and movement of sediment.

- a. Integrated waste management
- b. Land disturbing construction activity
- c. Nonpoint source pollution
- d. Polluted runoff

20. Land disturbing construction activity includes clearing and grubbing, demolition, excavating, pit or trench dewatering, filling and grading activities.

- a. True
- b. False

Comm 21.14: Excavations for footings and foundations

21. No excavation shall be made below the footing and foundation unless provisions are taken to prevent the _____ of the footing or foundation.

- a. Collapse
- b. Failure
- c. Modification
- d. Alteration

22. All footings shall be located on undisturbed or compacted soil, free of organic material, unless the footings are _____ to bridge poor soil conditions.

- a. Continuous
- b. Embedded
- c. Reinforced
- d. Supported

Comm 21.15: Footings

23. The dwelling shall be supported on a structural system designed to transmit and safely _____ the loads to the soil.

- a. Shift
- b. Distribute
- c. Transfer
- d. Move

24. The loads for determining the footing size shall include the weight of the live load, roof, walls, floors, pier or column, _____ the weight of the structural system and the soil over the footing.
- Plus
 - Minus
 - Less
 - None of the above
25. The bearing area shall be at least equal to the area required to transfer the loads to the supporting soil without _____ the bearing values of the soil.
- Lowering
 - Changing
 - Affecting
 - Exceeding
26. _____ may be used in place of continuous footings where there is a change in footing elevation.
- Lintels
 - Posts
 - Beams
 - Headers
27. No footing or foundation shall be placed on soil with a bearing capacity of less than _____ pounds per square foot unless the footing or foundation has been designed through structural analysis.
- 1600
 - 2000
 - 1000
 - 1500
28. The soil-bearing values of common soils may be determined through _____.
- Soil stability
 - Soil identification
 - Soil management
 - All of the above
29. If the soil located directly under a footing or foundation overlies a layer of soil having a smaller allowable bearing value, the _____ soil-bearing value shall be used.
- Larger
 - Smaller
 - Mean
 - Median

30. No footing or foundation shall be placed upon _____ fill material, organic soil, alluvial soil or mud unless the load will be supported.

- a. Unprepared
- b. Prepared
- c. Unsuitable
- d. Incompatible

Comm 21.17: Drain tiles

31. Excepted as provided under sub. (2), a complete drain tile or pipe system shall be installed around the foundation of dwellings under _____ where groundwater occurs above the bottom of the footing.

- a. Contract
- b. Destruction
- c. Erection
- d. Construction

32. For the purposes of this section, a complete drain tile or pipe system includes the drain tile or pipe installed inside and outside the foundation at the footing level, bleeders connecting the inside tile or pipe to the outside tile or pipe, the sump pit, the discharge piping, and a pump or means of _____ water to natural grade.

- a. Releasing
- b. Discharging
- c. Circulating
- d. Moving

33. For new dwelling construction, a municipality may enact requirements for other than complete drain tile or pipe systems.

- a. True
- b. False

34. For an alteration to an existing dwelling covered by this code, a municipality may not require a complete drain tile or pipe system.

- a. True
- b. False

35. Municipalities may not allow partial drain tile or pipe systems for new dwellings under construction or existing dwellings.

- a. True
- b. False

36. 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

37. 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

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

- a. True
- b. False

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

- a. True
- b. False

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

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

Comm 22.30 General design requirements.

41. When insulation is placed on the exterior of a foundation supporting a masonry veneer exterior, the horizontal foundation surface supporting the veneer is required to be insulated to satisfy the foundation insulation requirement.

- a. True
- b. False

Comm 22.31 Prescriptive insulation and fenestration

42. Except as specifically provided under this subchapter, dwellings using the prescriptive method shall meet the requirements of Table 22.31-1 or 22.31-2.

(b) In Tables 22.31-1 and 22.31-2, zone 2 consists of which of the following northern counties:

- a. Ashland, Bayfield, Burnett, Douglas, Florence
- b. Forest, Iron, Langlade, Lincoln, Oneida, Price
- c. Sawyer, Taylor, Vilas and Washburn
- d. All of the above

43. Zone 1 consists of all other counties not included in zone 2.

- a. True
- b. False

44. If the total dwelling thermal envelope UA is less than or equal to the total UA resulting from using the U-factors in Table 22.31-2 _____ by the same assembly area as in the proposed building, the dwelling is in compliance with this chapter.

- a. Multiplied
- b. Added
- c. Divided
- d. Subtracted

45. The UA calculation shall be done using a method consistent with the ASHRAE Handbook of Fundamentals and shall not include the thermal bridging effects of framing materials.

- a. True
- b. False

46. Note: UA is equal to the product of the U-factor times the assembly area.

- a. True
- b. False

47. Note: _____ are acceptable software programs for determining compliance with this section.

- a. REScheck
- b. REM/Rate
- c. a AND b
- d. None of the above

48. If the REScheck software program is used to show compliance with this section, the version shall be _____, or later.

- a. 4.1.0
- b. 3.7
- c. 4.2.2
- d. None of the above

49. Note: Any version of REScheck with a beginning number of 3 or smaller will not support the requirements of this code.

- a. True
- b. False

50. Except as allowed under par. (b) and s. Comm 22.46, _____ shall meet the minimum efficiency requirements in Table 22.31-3.

- a. Oil-fired furnaces
- b. Gas-fired furnaces
- c. Boilers
- d. All of the above

Comm 22.32 Specific insulation requirements

51. _____ will satisfy the ceiling R-value requirement for a dwelling where the full height of uncompressed _____ insulation extends over the wall top plate at the eaves.

- a. R-22
- b. R-38
- c. R-13
- d. R-30

52. Where the design of the roof or ceiling assembly does not allow sufficient space for the required _____ insulation, the minimum required insulation for the roof or ceiling assembly shall be R-30.

- a. R-60
- b. R-49
- c. R-38
- d. R-22

53. This reduction of insulation shall be limited to _____ square feet of ceiling area.

- a. 500
- b. 400
- c. 300
- d. 200

54. The requirements of Table 22.31-1 are applicable in a mass wall where at least _____ percent of the required insulation R-value is on the exterior of, or integral to, the wall.

- a. 25
- b. 40
- c. 50
- d. 55

55 _____ at outside walls shall be insulated to the required wall R-value with air-impermeable insulation that is sealed on all sides to all framing members and the foundation, or with air-permeable insulation held in place as required under s. Comm 22.21 (1).

- a. Box sills
- b. Joist spaces
- c. a AND b
- d. None of the above

56. Joist spaces that extend beyond exterior walls shall be insulated with an R-value of _____ or higher with insulation that completely fills the cavity including over the top of the exterior wall supporting the joists.

- a. 30
- b. 13
- c. 15
- d. 22

57. The joist space insulation shall be air sealed by:

- a. Using an air-impermeable insulation that is sealed to all framing members
- b. Covering the insulation with a rigid material that is caulked or sealed to all framing members.
- c. A OR b
- d. a AND b

58. If piping that is subject to freezing is located in the joist space, additional insulation shall be provided on the unconditioned side of the space.

- a. True
- b. False

59. Except for closed-cell sprayed foam, wall insulation shall completely fill the wall cavity.

- a. True
- b. False

Comm 22.33 Slab floors.

60. Any slab floor, the bottom of which is less than _____ inches below adjacent grade, shall be insulated in accordance with Table 22.31-1 or Table 22.31-4.

- a. 6
- b. 12
- c. 15
- d. 10

Comm 20 Subchapter III: Definitions

61. _____ 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

62. _____ means the same as smoke pipe.

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

63. _____ 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

64. _____ 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

65. _____ 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

66. _____ 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

67. _____ 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

68. _____ means the department of commerce.

- a. Department
- b. Division
- c. Branch
- d. Local office

69. _____ means any building which is not physically connected to the dwelling.

- a. Accessory building
- b. Renovation
- c. Detached building
- d. Addition

70. _____ 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

Comm 21.04: Stairways and elevated areas.

71. 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

72. 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

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

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

74. 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

75. 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

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

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

77. 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

78. 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

79. 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

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

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

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

- a. True
- b. False

82. All decayable organic material, including topsoil, shall be removed from crawlspace floors prior to placing the vapor retarder.

- a. True
- b. False

Comm 21.06: Ceiling height

83. 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

84. 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

85. 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

86. 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: Fire blocking

87. 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

88. 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

89. 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

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

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

Construction Inspection/Qualifier Cont. Ed. Test 9

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

To obtain your WI continuing education credits follow the below instructions.

1. If taking the same quiz more than once per cycle, fill out the forms with different dates.
2. Fill in all fields applicable.
3. Include your credential or license number.
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FYI: The state allows a person to take the same course more than once (several times) per cycle.

Send by mail

1. Test answer sheets, fee, and the following form.
 2. Fill out this form below completely.
 3. Make check or Money Order to Brett Or Kathy Ward
 4. Mail to: Yourwicontinuing.com P.O. Box 36 Kaukauna WI 54130.
- Questions call: 920-740-4348

-----Educational Course Attendance Verification Form -----

Attendee's Name _____

Address _____

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Credential Number _____

Phone# _____

Fax# _____

Course Title and Name ___ Construction Inspection/Qualifier Cont. Ed. Test 9

Credited Hours ___ 3 hrs

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