

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 7

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.
- Storm water program
 - Water quality control
 - Storm water management plan
 - Storm water management practices
7. _____ means any day other than Saturday, Sunday or a legal holiday.
- Work week
 - Net working day
 - Business day
 - 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.
- Carport
 - Garage
 - RV covers
 - Attachment
9. _____ means the clear vertical distance from the finished floor to the finished ceiling.
- Wall height
 - Entrance height
 - Ceiling height
 - Basement height
10. _____ means a person certified by the department to engage in the administration and enforcement of this code.
- State inspector
 - Building inspector
 - Licensed inspector
 - 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.
- Base floodplain
 - Coastal zone
 - Coastal construction
 - 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

Comm 22 Subchapter II — Definitions

41. The manufacturer's settled R-value shall be used for _____ insulation.

- a. Rigid
- b. Foamed in place
- c. Blown
- d. Blanket

42. Computed R-values may not include values for air films or for building materials other than _____ materials.

- a. Construction
- b. Insulation
- c. Teaching
- d. Precipitator

43. Note: The REScheck program will automatically account for:

- a. Appliances
- b. Air Films
- c. Other building materials
- d. b AND c

44. When information specified under sub. (1) is not available, or when a different value is claimed, supporting data shall be obtained using which of the following test methods:

- a. ASTM C177, Standard test method for steady state heat flux measurements and thermal transmission properties by means of the guarded-hot-plate apparatus or ASTM C335, Standard test method for steady state heat transfer properties of pipe insulation.
- b. ASTM C518, Standard test method for steady state thermal transmission properties by means of the heat flow meter apparatus.
- c. ASTM C1363, Standard test method for the thermal performance of building materials and envelope assemblies by means of a hot box apparatus.
- d. All of the above

45. When information specified under sub. (1), _____, foam plastic insulation that uses a gas other than air as the insulating medium shall use laboratory or field tests conducted on representative samples that have been aged for the equivalent of 5 years or until the R-value has stabilized.

- a. Is not available
- b. has a different value claimed
- c. a AND b
- d. None of the above

46. The tests shall be _____.

- a. Conducted by an independent third party using the standards listed under par. (a)
- b. Submitted for department approval in accordance with s. Comm 20.18
- c. Submitted for department approval in accordance with s. Comm 20.18
- d. All of the above

47. Systems using integrally-insulated concrete masonry units shall be evaluated for thermal performance in accordance with which one of the following:

- a. Default values as approved by the department with no extrapolations or interpolations.
- b.. Laboratory or field test measurements specified under par. (a).
- c.. The material approval process specified in s. Comm 20.18.
- d. All of the above

48. _____ shall be identified in a manner that will allow a determination of their compliance with the applicable provisions of this code.

- a. Materials
- b. Equipment
- c. Systems
- d. All of the above

49. All insulation materials, caulking and weatherstripping, _____, and water-heating equipment and system components shall be installed in accordance with the manufacturer's installation instructions.

- a. Mechanical equipment
- b. Fenestration assemblies
- c. Systems components
- d. All of the above

50. Manufacturer's installation instructions shall be available on _____ at the time of inspection.

- a. On the job site
- b. Upon request
- c. If needed
- d. None of the above

51. _____ insulation shall be installed in a manner which will permit inspection of the manufacturer's R-value identification mark.

- a. Roof and ceiling
- b. Roof and wall cavity batt
- c. Board insulation
- d. All of the above

52. A thermal resistance identification mark shall be applied by the manufacturer to each piece of dwelling envelope insulation ___ inches or greater in width.

- a. 12
- b. 10
- c. 8
- d. 6

53. The thickness of blown-in roof and ceiling insulation shall be identified by thickness markings that are labeled in inches and installed at least one for every _____ square feet through the attic space.

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

54. The markers shall be affixed to trusses or joists marking the minimum initial installed thickness and minimum settled thickness with numbers a minimum of _____ inch(es) in height.

- a. Half
- b. Two
- c. Three
- d. None of the above

55. The certificate shall be completed by the _____.

- a. Owner
- b. Builder
- c. Insulation installer
- d. a, b, OR c

56. The certificate shall list at least which of the following information:

- a. The predominant R-values of insulation installed in or on ceilings or roofs, walls, foundation walls, slabs and any heating ducts that are outside the thermal envelope.
- b. The U-factors of all windows, skylights and doors.
- c. a AND b
- d. None of the above

57. Insulating blankets or batts shall be held in place with _____.

- a. A covering
- b. Other means of mechanical or adhesive fastening
- c. a OR b
- d. Balls

58. Note: If the insulation is on a below-grade wall, s. Comm 22.08 (3) may prohibit the use of vapor retarder material used as the covering.

- a. True
- b. False

59. Except as provided under s. Comm 22.39 (4) for cathedral ceilings, all air-permeable insulation materials installed in any position other than horizontal, shall be covered on the cold-in-winter side with a permanently attached material of low air permeability to maintain the R-value of the insulation.

- a. True
- b. False

60. Note: Suitable materials for this purpose include house wrap permanently attached with _____, oriented strand board or OSB, siding material, rigid insulation sheathing, etc.

- a. Batten strips
- b. Asphalt-impregnated felt or tar paper
- c. Plywood
- d. a, b, OR c

Comm 20 Subchapter III: Definitions

61. _____ means the process of making, fabricating, constructing, forming or assembling a product from raw, unfinished, semifinished or finished materials.

- a. Industrial design
- b. Industrial revolution
- c. Industrial process
- d. Manufacture

62. _____ means new construction performed on a dwelling which increases the outside dimensions of the dwelling.

- a. Building component
- b. Alteration
- c. Addition
- d. Building system

63. _____ means the specified maximum permissible stress of a material expressed in load per unit area.

- a. Dead load
- b. Allowable stress
- c. Allowable strength design
- d. Allowable strength value

64. Manufactured dwelling means any structure or component thereof which is intended for use as a dwelling and:

- a. Is of closed construction and fabricated or assembled on site or off site in manufacturing facilities away from the building site for installation, connection, or assembly and installation at the building site.
- b. Is a building of open construction which is made or assembled in manufacturing facilities away from the building site for installation, connection, or assembly and installation on the building site and for which certification is sought by the manufacturer.
- c. a OR b
- d. None of the above

65. _____ means a structure that is designed to be used as a dwelling with or without a permanent foundation and that is certified by the federal department of housing and urban development as complying with the standards established under 42 USC 5401 to 5425.

- a. Manufactured home
- b. Mobile home
- c. Modular home
- d. Prefabricated home

66. _____ means any subsystem, subassembly or other system designed for use in or as part of a structure which may include structural, electrical, mechanical, plumbing and fire protection systems and other systems affecting health and safety.

- a. Truss
- b. Framing
- c. Remanufactured
- d. Building component

67. _____ means plans, specifications, and documentation for a system of manufactured building of for a type or a system of building components, which may include structural, electrical, mechanical, plumbing and variations which are submitted as part of the building system.

- a. Prefabricated building system
- b. Building system network
- c. Building system
- d. Building management system

68. _____ means a venting system for a gas burning appliance that is designed to remove flue or vent gases by mechanical means, such as a fan, which may consist of an induced draft portion under non-positive static pressure or a force draft portion under positive static pressure.

- a. Mechanical draft venting system
- b. Double venting system
- c. Automatic venting system
- d. Downdraft venting system

69. _____ is a branch of the physical sciences which uses the principles of mechanics in analyzing the impact of loads and forces and their effect on the physical properties of materials in the form of internal stress and strain.

- a. Continuum mechanics
- b. Structural load
- c. Disambiguation
- d. Structural analysis

70. _____ means an assembly that incorporates the smoke detector, the control equipment and the alarm-sounding device in one unit that is capable of being interconnected with one or more additional alarms so that the actuation of one alarm causes the operation of all interconnected alarms.

- a. Single station smoke alarm
- b. Interconnect modular system
- c. Multiple station smoke alarm
- d. Station alarm device

Comm 21.28: Roof and ceiling wood framing

71. Ceiling joists shall be _____ to exterior walls and to the ends of rafters.

- a. Fastened
- b. Joined
- c. Nailed
- d. Attached

72. Roof planks shall be tongue and groove or _____ and at least 2 inches, nominal, in thickness.

- a. Double-sided
- b. Splined
- c. Single-sided
- d. Reinforced

Comm 21.29: Masonry fireplaces

73. Masonry fireplace chimneys shall extend at least 3 feet above the _____ point where the chimney passes through the roof and at least 2 feet higher than any portion of the dwelling within 10 feet of the chimney.

- a. Highest
- b. Lowest
- c. Median
- d. Central

74. _____ circulating ducts shall be constructed of masonry or metal.

- a. Warm-air
- b. Cold-air
- c. Return-air
- d. Air

75. Return air grilles shall not be located in bathrooms, kitchens, garages, utility spaces or in a confined spaced defined under s. comm. 23.06 in which a draft diverter or _____ is located.

- a. Gas regulator
- b. Barometric damper
- c. Draft regulator
- d. Switch

76. Dampers shall be made of cast iron or at least _____ gauge sheet metal.

- a. No. 10
- b. No. 19
- c. No. 12
- d. None of the above

77. The area of the damper opening shall be at least 90% of the _____ flue area when in the open position.

- a. Total
- b. Required
- c. Overall
- d. Entire

78. Metal hoods, used in lieu of a masonry smoke chamber, shall be constructed of at least No. 19 gauge corrosion-resistant metal with all seams and connections of _____ construction.

- a. Waterproof
- b. Fire resistant
- c. Fireproof
- d. Smokeproof

79. Metal hoods shall be kept a minimum of 18 inches from the combustible materials unless _____ for reduced clearances.

- a. Permitted
- b. Measured
- c. Approved
- d. Intended

80. Firebrick may be used in the _____ of the fireplace as an inlet to the flue liner.

- a. Lintel
- b. Throat
- c. Flue
- d. Ash pit

81. Fireplaces with _____ shall be provided with cleanout openings at the base.

- a. Butt walls
- b. Smoke shelves
- c. Ash pits
- d. Ash dumps

Comm 21.30: Masonry chimneys

82. No masonry chimney shall rest upon _____.

- a. Porous material
- b. Wood
- c. Lime-based mortar
- d. Base flashing

83. Chimney flues for appliances shall be at least equal to that of the area of the connector from the _____.

- a. Wall
- b. Ceiling
- c. Appliance
- d. Chimney

84. Inlets to masonry chimneys shall enter the side and be provided with _____.

- a. Caps
- b. Covers
- c. Thimbles
- d. Crowns

Comm 21.34: Construction in coastal floodplains

85. Enclosures below the base flood elevation in a coastal floodplain may not be used for human occupancy and shall be free of all obstructions, except for _____ walls and partitions.

- a. Freestanding
- b. Commercial
- c. Loadbearing
- d. Non-loadbearing

86. Non-loadbearing walls and partitions below base floor elevation shall be constructed to _____ without causing structural damage to the elevated portion of the dwelling or foundation system due to the effect of wind loads and water loads acting simultaneously.

- a. Hold
- b. Rest
- c. Set
- d. Break away

87. All dwellings located in a coastal floodplain shall be supported and _____ on pilings or columns.

- a. Embedded
- b. Anchored
- c. Installed
- d. Positioned

88. The piling or column shall have _____ soil penetration to resist combined water and wind loads at the base flood elevation.

- a. Sufficient
- b. Adequate
- c. Elevated
- d. Simultaneous

89. Piling or column design shall consider the effect of _____ of soil strata.

- a. Depth
- b. Erosion
- c. Scour
- d. None of the above

90. Mat or _____ foundations to support columns may not be used where soil under the mat or raft is subject to scour or other erosion from wave flow conditions.

- a. Shallow
- b. Isolated
- c. Pile-raft
- d. Raft

Construction Inspection/Qualifier Cont. Ed. Test 7

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
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- Questions call: 920-740-4348

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

Attendee's Name _____

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Date _____

Credential Number _____

Phone# _____

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Course Title and Name Construction Inspection/Qualifier Cont. Ed. Test 7

Credited Hours 3 hrs

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