

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 21

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

24. _____ means any building which is not physically connected to the dwelling.
- Accessory building
 - Renovation
 - Detached building
 - Addition
25. _____ means a device or seal approved by the department to certify compliance with this code.
- Wisconsin crest
 - Wisconsin insignia
 - Wisconsin stamp
 - Wisconsin qualified
26. _____ means air that is provided for the purpose of mixing with flue gases in a draft hood or draft regulator.
- Concentration air
 - Dilution air
 - Moisture-laden emission
 - Aeration
27. _____ 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
28. _____ 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
29. _____ 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

30. _____ 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.

- a. Qualifier certification
- b. Eligible contractor
- c. Construction contractor
- d. Dwelling contractor

31. _____ means a vertical flue or passageway to vent fuel-burning appliances.

- a. Volcano
- b. Vent
- c. Flue
- d. Duct

32. _____ is a connector between a fuel-burning appliance and the chimney or vent.

- a. Duct
- b. Flue
- c. Vent
- d. Vent connector

33. 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

34. _____ 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

35. _____ 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

36. _____ 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

37. _____ 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

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

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

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

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

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

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

41. _____ means the first floor level above any groundfloor or basement or, in the absence of a groundfloor or basement, means the lowest floor level in the dwelling.

- a. First floor
- b. Ground floor
- c. Grade
- d. Basement

42. _____ means a dwelling erected prior to the effective date of this code, one for which a valid building permit exists, or one for which lawful construction has commenced prior to the effective date of this code.

- a. Accessory dwelling unit
- b. Existing dwelling
- c. Existing building
- d. Pre-existing dwelling

43. _____ is the planting and cultivating of the soil and growing of farm products substantially all of which been planted or produced on the farm premises.

- a. Organic farming
- b. Farm operation
- c. Gardening
- d. Agriculture

44. _____ means land which is subject to flooding which is at or below base flood elevation.

- a. Floodway
- b. Floodplain
- c. Flood fringe
- d. Flood meadow

45. _____ means the channel of a river or stream and those portions of the floodplain adjoining the channel required to carry the flood discharge.

- a. Floodplain
- b. Flood fringe
- c. Floodway
- d. Flood district

46. _____ means the area of a room that has a ceiling height of at least 7 feet.

- a. Floor area
- b. Floor space index
- c. Square footage
- d. Floor design

47. _____ means a structure used for storing motorized vehicles that has any more than 2 sides completely enclosed.

- a. Carport
- b. Garage
- c. Pole barn
- d. Attachment

48. _____ means any room used for sleeping, living or dining purposes, excluding such enclosed places as kitchens, closets, pantries, bath or toilet rooms, hallways, laundries, storage spaces, utility rooms, and similar spaces.

- a. Future room
- b. Habitable room
- c. Conditional occupancy
- d. Recreation room

49. _____ means a continuous series of steps with no intermediate landings.

- a. Flight
- b. Stairway
- c. Stairs
- d. Stairwell

50. _____ means that portion of the floodplain outside of the floodway that is at or below base flood elevation.

- a. Flood hazard area
- b. Future flood zone
- c. Floodfringe district
- d. Floodfringe area

51. _____ means the floor area within the fire chamber of a fireplace.

- a. Firepit
- b. Hearth extension
- c. Hearth
- d. Inglenook

52. 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

53. _____ 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

54. _____ 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

55. _____ 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. Ungrooved unit
- c. Solid unit
- d. Hollow unit

56. _____ 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

57. _____ 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

58. _____ 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

59. _____ 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

60. _____ 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

61. _____ 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

62. _____ 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

63. _____ 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

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

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

65. _____ 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

66. _____ 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

67. _____ 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

68. _____ 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

69. _____ 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

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

- a. True
- b. False

71. _____ 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

72. _____ 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

73. _____ 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

74. 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

75. _____ 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

76. _____ 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

77. _____ 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

78. _____ 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

79. _____ 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

80. _____ 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

81. _____ means any city, village, town or county in this state.

- a. Municipality
- b. Political unit
- c. Governing body
- d. Providence

82. _____ means an appliance with a venting system designed to remove flue or vent gases under non-positive static vent pressure entirely by natural draft.

- a. Vent free appliance
- b. Naturally vented appliance
- c. Gas appliance
- d. Direct vent appliance

83. _____ 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

84. _____ 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

85. _____ 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

86. 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

87. _____ 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

88. _____ 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

89. _____ 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

90. _____ 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

91. _____ 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

92. _____ 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

93. _____ 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

94. _____ means a unit of roof covering material that has been manufactured to specific dimensions and is applied in overlapping fashion.
- a. Laminated shingle
 - b. Strip shingle
 - c. Roofing material
 - d. Shingle
95. _____ means a type of shingle with an internal mat composed of nonwoven, resin-bonded glass fibers, that is impregnated and coated with asphalt.
- a. Organic asphalt shingle
 - b. Laminated shingle
 - c. Fiberglass asphalt shingle
 - d. Strip shingle
96. _____ is a masonry wall consisting of one unit of thickness.
- a. Load bearing wall
 - b. Multi-wythe wall
 - c. Double-wythe wall
 - d. Single-wythe wall
97. _____ is that part of a fireplace which acts as a funnel to compress the smoke and gases from the fire so that they will enter the chimney above.
- a. Conventional fireplace firebox
 - b. Flue lining
 - c. Hearth extension
 - d. Smoke chamber
98. _____ is a landing or porch projecting from the wall of a building.
- a. Balcony
 - b. Deck
 - c. Platform
 - d. Porch
99. _____ means the depth or peak elevation of flooding, including wave height, which has a one percent or greater chance of occurring in any given year.
- a. Coastal flood elevation
 - b. Base flood elevation
 - c. Velocity hazard
 - d. Floodplain management

100. _____ means the condition where vegetation is established or other practices are in place on exposed soil surfaces so as to reduce erosion.

- a. Balanced
- b. Stabilized
- c. Morphology
- d. Structural runoff control

101. _____ means an enclosed nonportable toilet into which nonwater-carried human wastes are deposited to a subsurface storage chamber.

- a. Non- flush portable toilet
- b. Portable toilet
- c. Privy
- d. Composting toilet

102. _____ means a person, business or entity that is registered with the department for the purpose of facilitating plan review, issuance of Wisconsin uniform building permits, and inspection of one-and 2-family dwellings in municipalities where the department has jurisdiction pursuant to s. 1011.651 (3) (b), Stats.

- a. Certified UDC inspection agency
- b. Registered UDC inspection agency
- c. Authorized UDC inspection agency
- d. Qualified UDC inspection agency

103 _____ is one or more flights of steps, and the necessary platforms or landings connecting them, to form a continuous passage from one elevation to another.

- a. Stairway
- b. Flight
- c. Stairwell
- d. Steps

104. _____ means that portion of a building located above the basement, between the floor and ceiling.

- a. Attic
- b. Loft
- c. Story
- d. Upper story

105. _____ is a nonportable solid-fuel-burning, vented, nonducted heat-producing appliance located in the space that it is intended to heat.

- a. Stovepipe
- b. Smokepipe
- c. Stove
- d. Range

106. _____ means any person having a legal or equitable interest in the dwelling.
- a. Vendor
 - b. Proprietor
 - c. Operator
 - d. Owner
107. _____ means a unit of permeance which is measured in grains per (hour)(square foot) (inch of mercury vapor pressure difference).
- a. Water vapor transmission
 - b. Perm
 - c. Metric perm
 - d. Standard vapor pressure
108. The definition of “stove” does NOT include cooking appliances.
- a. True
 - b. False
109. _____ means the same as smoke pipe.
- a. Stovepipe
 - b. Pipe
 - c. Duct
 - d. Smoke chamber
110. _____ means a change in the physical shape of a material caused by stress.
- a. Tension
 - b. Structural analysis
 - c. Strain
 - d. Movement
111. _____ means internal resistance to an external force expressed in load per unit area; stresses acting perpendicular to the surface, or bending stresses which cause curving.
- a. Strain
 - b. Tension
 - c. Stress
 - d. Structural analysis

112. _____ means chs Comm 20 to 25, the Wisconsin uniform dwelling code.

- a. UDC
- b. Administrative code
- c. Statewide code
- d. Local code

113. _____ is a connector between the solid or liquid fuel-burning appliance and the chimney.

- a. Flue
- b. Smoke chamber
- c. Smoke pipe
- d. Shaft

114. _____ means a masonry unit which has a net cross-sectional area parallel to the bearing face which is 75% or more of the gross cross-sectional area.

- a. Solid unit
- b. Hollow unit
- c. Portable unit
- d. Wall unit

115. _____ includes those portions of Lake Michigan and Lake Superior within the boundaries of Wisconsin, and all lakes, bays, rivers, streams, springs, ponds, wells, impounding reservoirs, marshes, watercourses, drainage systems, and other surface waters or groundwaters, natural or artificial public or private, within the state or jurisdiction.

- a. Waters of the state
- b. Qualified waters
- c. Protected waters
- d. Surface waters

Comm 20.08 Wisconsin uniform building permit.

Comm 20.08(1)

116. Excavation may begin prior to obtaining any type of permit.

- a. True
- b. False

117. A person who obtains a Wisconsin uniform building permit from a registered UDC inspection agency shall retain the same agency to conduct the inspections for the project under s. Comm 20.10

- a. True
- b. False

118. A notice of intent shall be filed by the owner or owner's agent when land disturbing construction activity involves two or more acres.

- a. True
- b. False

119. For the purposes of par. (a), the application for the UDC permit and the submission of plans under s. Comm 20.09 shall constitute the notice of intent process.

- a. True
- b. False

120. The submittal of a notice of intent to the department for a construction site with one or more acres of land disturbing construction activity constitutes an application for coverage under a storm water construction site general permit issued by the Department of Natural Resources pursuant to s. 283.33, Stats., and ch. NR 216, which contains erosion control standards established by the Department of Commerce pursuant to s. 101.653, Stats.

- a. True
- b. False

121. The owner or owner's agent shall submit a notice of termination in a format prescribed by the department for a site where a notice of intent is required under this section.

- a. True
- b. False

122. Application for a Wisconsin uniform building permit shall be on the forms made by the contractor, the municipality or an authorized registered UDC inspection agency administering and enforcing this code. No application shall be accepted that does not contain all the information requested on the form.

- a. True
- b. False

123. The Wisconsin uniform building permit application shall be filed with the county or a registered IBC inspection agency administering and enforcing this code.

- a. True
- b. False

124. The municipality or the registered UDC inspection agency shall forward a copy of all applications for new dwelling construction to the department within 90 business days after permit issuance.

- a. True
- b. False

125. When required by local ordinance, permit applications for additions, alterations and repairs shall be filed with municipalities and counties in accordance with their adopted ordinances.

- a. True
- b. False

126. Building permits for _____, alterations and repairs are not required in municipalities where the department has jurisdiction under s. 101.651 (3) (b), Stats.

- a. dwellings
- b. additions
- c. commercial
- d. duplex's

127. The municipality shall, by ordinance, determine fees to cover _____.

- a. examination,
- b. expenses of plan examination
- c. issuance of permit
- d. all of the above

128. The municipality shall purchase a Wisconsin uniform building permit _____ from the department for each new dwelling in accordance with s. Comm 2.34.

- a. application
- b. seal
- c. stamp
- d. review

129. Inspection agency _____ shall be determined by contract between the municipality and the agency or between the department and the agency, where the agency has been authorized to conduct inspections on behalf of the department.

- a. fees
- b. personnel
- c. credibility
- d. location

130. A registered UDC inspection agency shall purchase a Wisconsin uniform building permit seal from the department for each _____ in accordance with s. Comm 2.34.

- a. addition
- b. new dwelling
- c. renovation
- d. fence

131. At least _____ sets of plans for all one- and 2-family dwellings shall be submitted to the municipality or the registered UDC inspection agency administering and enforcing this code, for examination and approval at the time the Wisconsin uniform building permit application is filed.

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

132. The required building plans shall be legible and drawn _____ or dimensioned and shall include...

- a. in ink
- b. in lead
- c. to scale
- d. none of the above

133. A site plan shall include _____.

- a. location of the dwelling
- b. location of all erosion and sediment control
- c. direction of runoff flow
- d. all of the above.

134. Floor plans _____ be provided for each floor.

- a. need not
- b. shall
- c. may
- d. can

135. The size and location of all rooms, doors, windows, _____, exit passageways and stairs shall be indicated.

- a. closets
- b. carpets
- c. phones
- d. structural features

136 A storm water management plan shall be prepared for a site where _____ or more acres of land disturbing construction activity is to occur.

- a. one
- b. two
- c. three
- d. four

137. _____ required plans submitted for approval be accompanied by sufficient data, calculations and information to determine if the dwelling will meet the requirements of this code.

- a. All
- b. Some
- c. Many
- d. Most

138. The data and information for determining compliance with the _____ standards shall be submitted on forms provided by the department or other approved forms.

- a. structural
- b. clean water
- c. erosion control
- d. energy conservation

139. Except as required under s. Comm 21.33, a municipality exercising jurisdiction may not require plans or calculations to be stamped by an _____.

- a. engineer
- b. architect
- c. both a and b
- d. none of the above

140. Where a dwelling is intended to be identically and repetitively constructed at different _____, a master plan may be submitted for approval.

- a. states
- b. elevations
- c. cities
- d. locations

141. If the municipality or the registered UDC inspection agency administering and enforcing this code determines that the plans submitted for a one- or 2-family dwelling _____ to the provisions of this code and other legal requirements an approval shall be issued.

- a. somewhat conforms
- b. substantially conforms
- c. does not conform
- d. may conform

142. The plans shall be stamped " _____ " by a certified inspector who holds the respective credential for the plans reviewed.

- a. not approved
- b. confidential
- c. copy
- d. conditionally approved

143. One copy shall be returned to the _____ and one copy shall be retained by the municipality or the registered UDC inspection agency administering and enforcing this code.

- a. department
- b. applicant
- c. contractor
- d. owner

144. The conditions of approval shall be indicated by a _____ or on the permit application.

- a. letter
- b. e-mail
- c. text message
- d. newspaper add

145. All conditions of the approval shall be met during _____.

- a. plan review
- b. construction
- c. bidding
- d. pre construction

146. A Wisconsin uniform building permit shall be issued if the requirements for filing and fees are satisfied and the plans have been _____.

- a. conditionally approved
- b. submitted
- c. drawn
- d. reviewed

147. A Wisconsin uniform building permit shall expire _____ months after issuance if the dwelling exterior has not been completed.

- a. 12.
- b. 18
- c. 24
- d. 36

148. Pursuant to s. 101.63 (7), Stats., the name and _____ of the Wisconsin master plumber responsible for the installation of plumbing shall be entered on the Wisconsin uniform building permit by the issuing entity at the time of issuance.

- a. license number
- b. address
- c. phone number
- d. weight

149. Construction may begin on _____ prior to the issuance of the Wisconsin uniform building permit where a permit to start construction is obtained.

- a. plumbing
- b. roof
- c. framing
- d. footings and foundations

150. Upon submittal of the application for a permit to start construction, a site plan, complete footing and foundation information including exterior grading, and a fee, the municipality or a registered UDC inspection agency enforcing this code _____ issue a permit to start construction of the footings and foundation.

- a. will
- b. may
- c. shall
- d. will not

151. Pursuant to s. 145.195, Stats., if the proposed construction requires connection to a _____, a Wisconsin uniform building permit may not be issued unless conformance with s. Comm 83.25 (2) has first been determined.

- a. public sewer
- b. well
- c. private interceptor main sewer
- d. private onsite wastewater treatment system

152. The Wisconsin uniform building permit shall be posted in a _____ place at the dwelling site.

- a. hidden
- b. conspicuous
- c. protected
- d. accessible

153. The Wisconsin uniform building permit seal shall be affixed either to the posted permit or to the Wisconsin uniform building permit application. The permit seal number shall appear on _____ documents.

- a. either
- b. neither
- c. both
- d. none of the above

154. A copy of the "denied" application, accompanied by a written statement specifying the reasons for denial, shall be sent to the _____ as specified on the Wisconsin uniform building permit application.

- a. applicant
- b. owner
- c. both a and b
- d. none of the above

155. Plans which do not substantially conform to the provisions of this code shall be stamped " _____ " One copy shall be returned to the person applying for the Wisconsin uniform building permit and one copy shall be retained by the municipality or the registered UDC inspection agency administering and enforcing this code.

- a. insufficient
- b. copy
- c. not approved
- d. needs work

156. The applicant may _____ a denial of the application in accordance with the procedure outlined in s. Comm 20.21.

- a. appeal
- b. dislike
- c. discuss
- d. none of the above

157. Action to approve or deny a uniform building permit application shall be completed within _____ business days of receipt of all forms, fees, plans and documents required to process the application, and completion of other local prerequisite permitting requirements.

- a. 5
- b. 10
- c. 15
- d. 20

Comm 21.01: Loads and Materials

158. 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

159. 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

160. Every dwelling shall be designed and constructed to support the _____ weight of all components and materials.

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

161. Earth-sheltered dwellings shall be designed and constructed to support the actual weight of all _____ loads.

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

162. 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

163. 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

164. 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

165. 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

166. 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

167. 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

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

- a. True
- b. False

169. 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

170. 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

171. 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

172. 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

173. 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

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

- a. True
- b. False

175. 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

176. 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.

177. 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

178. 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

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

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

180. 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

Comm 21.042: Ladders

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

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

182. 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

183. 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

184. 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

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

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

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

- a. True
- b. False

187. 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

188. 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

189. 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

190. 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

191. 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

192. 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

193. 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

194. 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

195. 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

196. 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

197. A disturbed area shall be considered stabilized by vegetation when a perennial cover has been established with a density of at least _____.

- a. 55%
- b. 60%
- c. 65%
- d. 70%.

198. The owner or owner's agent shall check the erosion and sediment control practices for maintenance needs at all EXCEPT the following intervals until the site is stabilized:

- a. Within 24 hours after a rainfall event of .5 inches or greater.
- b. At all intervals cited on the erosion and sediment control plan.
- c. Bi-monthly
- d. None of the above

199. When the failure of erosion or sediment control practices results in an immediate threat of sediment entering _____ or the waters of the state, procedures shall be implemented immediately to repair or replace the practices.

- a. Sanitary sewers
- b. Public sewers
- c. Storm sewers
- d. City sewers

Comm 21.13: Excavations adjacent to adjoining property

200. Any person making or causing an excavation which may affect the lateral soil support of adjoining property or buildings shall provide at least 15 days written notice to all owners of adjoining buildings of the intention to excavate.

- a. True
- b. False

201. If the excavation is made to a depth of 12 feet or less below grade, the person making or causing the excavation shall not be responsible for any necessary underpinning or extension of the foundations of any adjoining buildings.

- a. True
- b. False

Comm 21.14: Excavations for footings and foundations

202. 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

203. 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

204. 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

205. 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.

- a. Plus
- b. Minus
- c. Less
- d. None of the above

206. 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.

- a. Lowering
- b. Changing
- c. Affecting
- d. Exceeding

207. _____ may be used in place of continuous footings where there is a change in footing elevation.

- a. Lintels
- b. Posts
- c. Beams
- d. Headers

208. 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.

- a. 1600
- b. 2000
- c. 1000
- d. 1500

209. The soil-bearing values of common soils may be determined through _____.

- a. Soil stability
- b. Soil identification
- c. Soil management
- d. All of the above

210. 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.

- a. Larger
- b. Smaller
- c. Mean
- d. Median

211. 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

212. 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

213. 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

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

- a. True
- b. False

215. 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

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

- a. True
- b. False

217. 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

218. 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

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

- a. True
- b. False

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

- a. True
- b. False

221. 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

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

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

223. 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

224. 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

225. 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

226. 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

227. 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

228. 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

229. 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

230. 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

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

- a. 1 ½
- b. 2
- c. 2 ½
- d. 3

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

- a. True
- b. False

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

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

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

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

Comm 21.27: Roof and ceilings

235. 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

Comm 21.28: Roof and ceiling wood framing

236. In _____ ceilings, the upper end of the rafters shall be supported by a ridge beam or bearing wall, or thrust restraint shall be provided per s. Comm 21.02.

- a. Cathedral
- b. Suspended
- c. Conventional
- d. Flat

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

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

238. 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

239. 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

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

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

241. 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

242. 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

243. 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

244. 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

245. 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

246. 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

247. 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

248. No masonry chimney shall rest upon _____.

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

249. 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

250. 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

251. 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

252. 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

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

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

254. 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

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

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

256. 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

DEPARTMENT OF COMMERCE Comm 22.10

257. 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

258. 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

259. 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

260. 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

261. 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

262. 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.

263. 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

264. 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

265. 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

266. 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

267. _____ 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

268. _____ 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

269. _____ 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

270. _____ 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

271. _____ 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

272. _____ 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

273. _____ 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

274. _____ means heating, ventilating and air conditioning.

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

275. _____ 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

276. _____ 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

277. _____ 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

278. _____ wall means a wall of concrete block, concrete, insulated concrete forms, masonry cavity, brick other than brick veneer, earth and solid timber or logs.

- a. Retaining
- b. Marriage
- c. Mass
- d. Free standing

279. _____ areas means all exposed areas of a dwelling envelope which enclose conditioned space except openings for windows, skylights, doors and dwelling service systems.

- a. Opaque
- b. Large
- c. Exposed
- d. Transparent

280. Proposed _____ means a description of the proposed dwelling used to estimate annual energy use for determining compliance based on total building performance.

- a. Design
- b. Prototype
- c. Principles
- d. None of the above

281. Renewable energy sources means sources of energy, excluding minerals and petroleum products, derived from incoming _____, lake or pond thermal differences and from the internal heat of the earth.

- a. Solar radiation
- b. Trees and other plants
- c. Wind, waves and tides
- d. All of the above

282. _____ assembly means all components of the roof and ceiling envelope through which heat flows, thus creating a building transmission heat loss or gain, where such assembly is exposed to outdoor air and encloses a heated space. Any skylight shaft walls less than 12 inches in depth, as measured from the ceiling plane to the roof deck, are considered in the roof assembly and are not considered in the area of exterior walls.

- a. Maven
- b. Roof
- c. Automatic
- d. Hub

283. _____ means a one-story structure attached to a dwelling with a glazing area in excess of 40% of the gross area of the structure's exterior walls and roof.

- a. Garden room
- b. Covered porch
- c. Sun room
- d. Moon room

284. Note: A thermally isolated sun room _____ count in the calculation of amount of glazing.

- a. Does not
- b. Does
- c. Should
- d. May

285. System means a combination of central or terminal equipment and their components, controls, accessories, interconnecting means, and terminal devices by which energy is transformed so as to perform a specific function, such as _____.

- a. HVAC,
- b. Water heating
- c. Illumination
- d. a, b, OR c

286. _____ means a measure of the ability to retard the flow of heat. The R-value is the reciprocal of thermal transmittance or U-factor expressed as $R = 1/U$.

- a. Thermal resistance
- b. R-value
- c. a OR b
- d. U-factor

287. Note: The _____ the R-value of a material, the more difficult it is for heat to be transmitted through the material.

- a. Higher
- b. Lower
- c. Poorer
- d. None of the above

288. _____ means the time rate of heat flow through a body or assembly which is located between 2 different environments, expressed in $\text{Btu/h} \cdot \text{ft}^2 \cdot ^\circ\text{F}$. The U-factor applies to combinations of different materials used in series along the heat flow path and also to single materials that comprise a dwelling section, including cavity air spaces and air films on both sides of a dwelling element.

- a. Thermal transmittance
- b. U factor
- c. R-value
- d. a OR b

289. **Note:** The higher the U-factor of a material, the more difficult it is for heat to be transmitted through the material.

- a. True
- b. False

290. **Note:** The thermal transmittance is also referred to as the _____.

- a. Coefficient of heat transfer
- b. Coefficient of heat transmission
- c. a OR b
- d. Thermal conductivity

291. _____ means physically and thermally separated with separate zone or separate equipment controls for space heating.

- a. Thermostat
- b. Thermally isolated
- c. Ventilation
- d. Zone

292. _____ means an automatic control device actuated by temperature and designed to be responsive to temperature.

- a. Thermostat
- b. Thermally isolated
- c. Ventilation
- d. Zone

293. _____ means the process of supplying or removing air by natural or mechanical means to or from any space. The air may or may not have been conditioned.

- a. Thermostat
- b. Ventilation
- c. Zone
- d. Thermally isolated

294. _____ means a space or group of spaces within a dwelling with heating requirements sufficiently similar so that comfort conditions can be maintained throughout by a single controlling device.

- a. Thermostat
- b. Zone
- c. Ventilation
- d. Thermally isolated

Subchapter III — Insulation Materials and Installation
Comm 22.20 Basic requirements.

295. When available, information and values on thermal properties, performance of building envelope sections and components, and heat transfer shall be obtained from the _____.

- a. DOE Fundamental Handbook
- b. ASHRAE Handbook of Fundamentals
- c. Electrical Science Fundamentals Handbook
- d. Reading is Fundamental

296. Insulation material used in layers, such as _____ shall be summed to compute the component R-value.

- a. Framing cavity insulation
- b. Insulating sheathing
- c. a AND b
- d. None of the above

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

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

298. 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

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

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

300. 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

301. 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

302. 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

303. 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

304. _____ 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

305. 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

306. 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

307. _____ insulation shall be installed in a manner which will permit inspection of the manufacturer's R-value identification mark.
- Roof and ceiling
 - Roof and wall cavity batt
 - Board insulation
 - All of the above
308. A thermal resistance identification mark shall be applied by the manufacturer to each piece of dwelling envelope insulation ____ inches or greater in width.
- 12
 - 10
 - 8
 - 6
309. 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.
- 200
 - 300
 - 400
 - 500
310. 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.
- Half
 - Two
 - Three
 - None of the above
311. The certificate shall be completed by the _____.
- Owner
 - Builder
 - Insulation installer
 - a, b, OR c
312. The certificate shall list at least which of the following information:
- 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.
 - The U-factors of all windows, skylights and doors.
 - a AND b
 - None of the above

313. 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

314. 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

315. 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

316. **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

317. If non-rigid sheet material is used, it shall not be water vapor permeable.

- a. True
- b. False

318. Exterior foam plastic insulation shall be protected from physical damage and damage from ultraviolet light with a _____ covering or coating.

- a. Permanent
- b. Opaque
- c. Weather-resistant
- d. All of the above

319. The protective covering shall cover the exposed exterior insulation and extend a minimum of _____ inches below grade.

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

320. **Note:** For interior applications, a thermal barrier may be required under s. Comm 21.11.

- a. True
- b. False

Comm 22.30 General design requirements.

321. Infiltration for heating design loads shall be calculated based on a maximum of ____ air change per hour in the heated space.

- a. 1.0
- b. 0.5
- c. 1.5
- d. None of the above

322. The minimum air change per hour rate may not be less than _____, unless mechanical ventilation is provided.

- a. 0.2
- b. 0.1
- c. 0.02
- d. None of the above

323. Where basement and crawl space walls are part of the dwelling thermal envelope, their _____ shall be based on the wall components.

- a. R-values
- b. U-factors
- c. a AND b
- d. None of the above

324. Adjacent soil may be considered in the determination.

- a. True
- b. False

325. Except as provided under par. (b), a garage may not be provided with any supplemental heat unless which of the following conditions are met:

- a. The dwelling shall be thermally isolated from the garage.
- b. The garage floor, ceiling and walls shall be provided with a vapor retarder in accordance with s. Comm 22.38.
- c. All building elements shall meet the requirements of s. Comm 22.31.
- d. All of the above

326. The thermal envelope requirements under par. (a) are not required if which of the following conditions are met:

- a. The thermostat is permanently limited to a maximum of 50 degrees F.
- b. Heating equipment is either separate from the dwelling unit equipment or installed as a separate zone.
- c. Separate heating equipment shall be sized to provide a maximum indoor temperature of 50 degrees F.
- d. All of the above

327. 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

328. 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

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

- a. True
- b. False

330. 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

331. 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

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

- a. True
- b. False

333. **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

334. 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

335. **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

336. 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

337. _____ 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

338. 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

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

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

340. 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

341 _____ 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

342. 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

343. 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

344. 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

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

- a. True
- b. False

Comm 22.33 Slab floors.

346. 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

347. The top edge of insulation installed between the exterior wall and the edge of the interior slab may be cut at a _____ degree angle away from the exterior wall.

- a. 90
- b. 60
- c. 35
- d. 45

348. Horizontal insulation extending outside of the foundation shall be covered by soil a minimum of _____ inches thick or by pavement.

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

Comm 22.34 Crawl spaces.

349. If the bottom of the crawl space serving as the dwelling foundation is less than _____ inches below adjacent grade, the foundation shall be frost protected in accordance with Table 22.31-1 for frost protected slabs.

- a. 30
- b. 24
- c. 36
- d. 48

350. Any exposed earth in crawl spaces shall not be covered with a continuous vapor retarder.

- a. True
- b. False

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

- a. All
- b. Most
- c. Fine
- d. Visible

352. All joints of the vapor retarder shall overlap by _____ inches and be sealed or taped.

- a. 2
- b. 6
- c. 4
- d. 5

353. For crawl spaces that are outside of the thermal envelope, ventilation openings equal to at least _____ of the floor space shall be provided.

- a. 1/1200
- b. 1/1300
- c. 1/1500
- d. 1/1400

354. At least 50% of the ventilating area shall be provided_____.

- a. At opposite sides of the crawl space
- b. As far apart as possible.
- c. a OR b
- d. None of the above

Comm 22.35 Thermally isolated sunrooms

355. The temperature in the conditioned space shall _____.

- a. Be controlled as a separate zone
- b. Use separate heating equipment
- c. Not exceed 70 degrees F
- d. a OR b

356. Glazing in a thermally-isolated sunroom is considered to be in the dwelling thermal envelope.

- a. True
- b. False

Comm 22.36 Fenestration

357. Up to _____ square feet of glazed fenestration per dwelling unit may be exempt from U-factor requirements of the chapter.

- a. 5
- b. 15
- c. 10
- d. 20

358. _____ opaque door assembly is exempted from the U-factor requirements of this chapter.

- a. No
- b. One
- c. Two
- d. None of the above

359. Where an existing fenestration unit is replaced with a new fenestration unit, including _____, the replacement unit shall meet the U-factor requirements of this chapter.

- a. Sash
- b. Glazing
- c. a AND b
- d. Inserts

Comm 22.37

360. Except as specified in par. (b), _____ shall have an air infiltration rate of no more than 0.3 cfm per square foot, and swinging doors no more than 0.5 cfm per square foot, when tested according to NFRC 400 or AAMA/WDMA/ CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

- a. Windows
- b. Skylights
- c. Sliding glass doors
- d. All of the above

361. *Exception.* Site-constructed doors and windows shall be sealed with _____.

- a. Gasketing
- b. Weatherstripping
- c. Covered with a storm door or storm window.
- d. a, b, OR c

Construction Inspection/Qualifier Cont. Ed. Test 21

Answer Sheet Circle or Mark the Correct Answer

- | | | | | | | | |
|-----|---------|-----|---------|------|---------|------|---------|
| 1. | a b c d | 49. | a b c d | 97. | a b c d | 145. | a b c d |
| 2. | a b c d | 50. | a b c d | 98. | a b c d | 146. | a b c d |
| 3. | a b c d | 51. | a b c d | 99. | a b c d | 147. | a b c d |
| 4. | a b c d | 52. | a b c d | 100. | a b c d | 148. | a b c d |
| 5. | a b c d | 53. | a b c d | 101. | a b c d | 149. | a b c d |
| 6. | a b c d | 54. | a b c d | 102. | a b c d | 150. | a b c d |
| 7. | a b c d | 55. | a b c d | 103. | a b c d | 151. | a b c d |
| 8. | a b c d | 56. | a b c d | 104. | a b c d | 152. | a b c d |
| 9. | a b c d | 57. | a b c d | 105. | a b c d | 153. | a b c d |
| 10. | a b c d | 58. | a b c d | 106. | a b c d | 154. | a b c d |
| 11. | a b c d | 59. | a b c d | 107. | a b c d | 155. | a b c d |
| 12. | a b c d | 60. | a b c d | 108. | a b c d | 156. | a b c d |
| 13. | a b c d | 61. | a b c d | 109. | a b c d | 157. | a b c d |
| 14. | a b c d | 62. | a b c d | 110. | a b c d | 158. | a b c d |
| 15. | a b c d | 63. | a b c d | 111. | a b c d | 159. | a b c d |
| 16. | a b c d | 64. | a b c d | 112. | a b c d | 160. | a b c d |
| 17. | a b c d | 65. | a b c d | 113. | a b c d | 161. | a b c d |
| 18. | a b c d | 66. | a b c d | 114. | a b c d | 162. | a b c d |
| 19. | a b c d | 67. | a b c d | 115. | a b c d | 163. | a b c d |
| 20. | a b c d | 68. | a b c d | 116. | a b c d | 164. | a b c d |
| 21. | a b c d | 69. | a b c d | 117. | a b c d | 165. | a b c d |
| 22. | a b c d | 70. | a b c d | 118. | a b c d | 166. | a b c d |
| 23. | a b c d | 71. | a b c d | 119. | a b c d | 167. | a b c d |
| 24. | a b c d | 72. | a b c d | 120. | a b c d | 168. | a b c d |
| 25. | a b c d | 73. | a b c d | 121. | a b c d | 169. | a b c d |
| 26. | a b c d | 74. | a b c d | 122. | a b c d | 170. | a b c d |
| 27. | a b c d | 75. | a b c d | 123. | a b c d | 171. | a b c d |
| 28. | a b c d | 76. | a b c d | 124. | a b c d | 172. | a b c d |
| 29. | a b c d | 77. | a b c d | 125. | a b c d | 173. | a b c d |
| 30. | a b c d | 78. | a b c d | 126. | a b c d | 174. | a b c d |
| 31. | a b c d | 79. | a b c d | 127. | a b c d | 175. | a b c d |
| 32. | a b c d | 80. | a b c d | 128. | a b c d | 176. | a b c d |
| 33. | a b c d | 81. | a b c d | 129. | a b c d | 177. | a b c d |
| 34. | a b c d | 82. | a b c d | 130. | a b c d | 178. | a b c d |
| 35. | a b c d | 83. | a b c d | 131. | a b c d | 179. | a b c d |
| 36. | a b c d | 84. | a b c d | 132. | a b c d | 180. | a b c d |
| 37. | a b c d | 85. | a b c d | 133. | a b c d | 181. | a b c d |
| 38. | a b c d | 86. | a b c d | 134. | a b c d | 182. | a b c d |
| 39. | a b c d | 87. | a b c d | 135. | a b c d | 183. | a b c d |
| 40. | a b c d | 88. | a b c d | 136. | a b c d | 184. | a b c d |
| 41. | a b c d | 89. | a b c d | 137. | a b c d | 185. | a b c d |
| 42. | a b c d | 90. | a b c d | 138. | a b c d | 186. | a b c d |
| 43. | a b c d | 91. | a b c d | 139. | a b c d | 187. | a b c d |
| 44. | a b c d | 92. | a b c d | 140. | a b c d | 188. | a b c d |
| 45. | a b c d | 93. | a b c d | 141. | a b c d | 189. | a b c d |
| 46. | a b c d | 94. | a b c d | 142. | a b c d | 190. | a b c d |
| 47. | a b c d | 95. | a b c d | 143. | a b c d | 191. | a b c d |
| 48. | a b c d | 96. | a b c d | 144. | a b c d | 192. | a b c d |

Construction Inspection/Qualifier Cont. Ed. Test 21
Answer Sheet (Continued)

- | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|
| 193. | a b c d | 241. | a b c d | 289. | a b c d | 337. | a b c d |
| 194. | a b c d | 242. | a b c d | 290. | a b c d | 338. | a b c d |
| 195. | a b c d | 243. | a b c d | 291. | a b c d | 339. | a b c d |
| 196. | a b c d | 244. | a b c d | 292. | a b c d | 340. | a b c d |
| 197. | a b c d | 245. | a b c d | 293. | a b c d | 341. | a b c d |
| 198. | a b c d | 246. | a b c d | 294. | a b c d | 342. | a b c d |
| 199. | a b c d | 247. | a b c d | 295. | a b c d | 343. | a b c d |
| 200. | a b c d | 248. | a b c d | 296. | a b c d | 344. | a b c d |
| 201. | a b c d | 249. | a b c d | 297. | a b c d | 345. | a b c d |
| 202. | a b c d | 250. | a b c d | 298. | a b c d | 346. | a b c d |
| 203. | a b c d | 251. | a b c d | 299. | a b c d | 347. | a b c d |
| 204. | a b c d | 252. | a b c d | 300. | a b c d | 348. | a b c d |
| 205. | a b c d | 253. | a b c d | 301. | a b c d | 349. | a b c d |
| 206. | a b c d | 254. | a b c d | 302. | a b c d | 350. | a b c d |
| 207. | a b c d | 255. | a b c d | 303. | a b c d | 351. | a b c d |
| 208. | a b c d | 256. | a b c d | 304. | a b c d | 352. | a b c d |
| 209. | a b c d | 257. | a b c d | 305. | a b c d | 353. | a b c d |
| 210. | a b c d | 258. | a b c d | 306. | a b c d | 354. | a b c d |
| 211. | a b c d | 259. | a b c d | 307. | a b c d | 355. | a b c d |
| 212. | a b c d | 260. | a b c d | 308. | a b c d | 356. | a b c d |
| 213. | a b c d | 261. | a b c d | 309. | a b c d | 357. | a b c d |
| 214. | a b c d | 262. | a b c d | 310. | a b c d | 358. | a b c d |
| 215. | a b c d | 263. | a b c d | 311. | a b c d | 359. | a b c d |
| 216. | a b c d | 264. | a b c d | 312. | a b c d | 360. | a b c d |
| 217. | a b c d | 265. | a b c d | 313. | a b c d | 361. | a b c d |
| 218. | a b c d | 266. | a b c d | 314. | a b c d | | |
| 219. | a b c d | 267. | a b c d | 315. | a b c d | | |
| 220. | a b c d | 268. | a b c d | 316. | a b c d | | |
| 221. | a b c d | 269. | a b c d | 317. | a b c d | | |
| 222. | a b c d | 270. | a b c d | 318. | a b c d | | |
| 223. | a b c d | 271. | a b c d | 319. | a b c d | | |
| 224. | a b c d | 272. | a b c d | 320. | a b c d | | |
| 225. | a b c d | 273. | a b c d | 321. | a b c d | | |
| 226. | a b c d | 274. | a b c d | 322. | a b c d | | |
| 227. | a b c d | 275. | a b c d | 323. | a b c d | | |
| 228. | a b c d | 276. | a b c d | 324. | a b c d | | |
| 229. | a b c d | 277. | a b c d | 325. | a b c d | | |
| 230. | a b c d | 278. | a b c d | 326. | a b c d | | |
| 231. | a b c d | 279. | a b c d | 327. | a b c d | | |
| 232. | a b c d | 280. | a b c d | 328. | a b c d | | |
| 233. | a b c d | 281. | a b c d | 329. | a b c d | | |
| 234. | a b c d | 282. | a b c d | 330. | a b c d | | |
| 235. | a b c d | 283. | a b c d | 331. | a b c d | | |
| 236. | a b c d | 284. | a b c d | 332. | a b c d | | |
| 237. | a b c d | 285. | a b c d | 333. | a b c d | | |
| 238. | a b c d | 286. | a b c d | 334. | a b c d | | |
| 239. | a b c d | 287. | a b c d | 335. | a b c d | | |
| 240. | a b c d | 288. | a b c d | 336. | 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.
4. We take care of registering with the state and mailing back the test results.

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: Yourwicontinued.com P.O. Box 36 Kaukauna WI 54130.
- Questions call: 920-740-4348

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

Attendee's Name _____
Address _____
Date _____

Credential Number _____
Phone# _____
Fax# _____

Course Title and Name Construction Inspection/Qualifier Cont. Ed. Test 21
Credited Hours 12 hrs
Email address _____

To be completed by Brett or Kathy Ward yourwicontinued.com

Course Password _____ Course ID# 10288

Attendee passed the correspondence quiz with greater than 70% score _____
Date

Instructor Signature _____