

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 5

Comm 20 Subchapter III: Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- a. True
- b. False

Comm 21.14: Excavations for footings and foundations

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

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

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

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

Comm 21.15: Footings

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

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

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

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

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

Comm 21.17: Drain tiles

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

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

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

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

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

- a. True
- b. False

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

- a. True
- b. False

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

- a. True
- b. False

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

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

Comm 21.203: Garage Floors

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

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

Comm 21.22: Wood frame floors

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

- a. True
- b. False

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

- a. True
- b. False

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

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

Subchapter III — Insulation Materials and Installation

Comm 22.20 Basic requirements.

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

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

- a. True
- b. False

Construction Inspection/Qualifier Cont. Ed. Test 5

Answer Sheet

Circle or Mark the Correct Answer

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

Name and Credential Number

Date

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 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 _____

Address _____

Date _____

Credential Number _____

Phone# _____

Fax# _____

Course Title and Name Construction Inspection/Qualifier Cont. Ed. Test 5

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