

**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 6

### Comm 20 Subchapter III: Definitions

1. \_\_\_\_\_ means any city, village, town or county in this state.
  - a. Municipality
  - b. Political unit
  - c. Governing body
  - d. Providence
  
2. \_\_\_\_\_ 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
  
3. \_\_\_\_\_ 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
  
4. \_\_\_\_\_ 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
  
5. \_\_\_\_\_ 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
  
6. 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

7. \_\_\_\_\_ 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

8. \_\_\_\_\_ 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

9. \_\_\_\_\_ 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

10. \_\_\_\_\_ 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

11. \_\_\_\_\_ 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

12. \_\_\_\_\_ 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

13. \_\_\_\_\_ 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

14. \_\_\_\_\_ 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

15. \_\_\_\_\_ 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

16. \_\_\_\_\_ 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

17. \_\_\_\_\_ 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

18. \_\_\_\_\_ is a landing or porch projecting from the wall of a building.

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

19. \_\_\_\_\_ 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

20. \_\_\_\_\_ 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

**Comm 21.28: Roof and ceiling wood framing**

21. Ceiling joists shall be \_\_\_\_\_ to exterior walls and to the ends of rafters.

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

22. 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**

23. 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

24. \_\_\_\_\_ circulating ducts shall be constructed of masonry or metal.

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

25. 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

26. 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

27. 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

28. 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

29. 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

30. 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

31. 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

32. 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**

33. No masonry chimney shall rest upon \_\_\_\_\_.

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

34. 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

35. 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**

36. 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

37. 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

38. All dwellings located in a coastal floodplain shall be supported and \_\_\_\_\_ on pilings or columns.

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

39. 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

40. Piling or column design shall consider the effect of \_\_\_\_\_ of soil strata.

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

41. 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



## **Comm 22.31 Prescriptive insulation and fenestration**

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

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

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

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

- a. True
- b. False

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

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

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

- a. True
- b. False

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

- a. True
- b. False

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

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

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

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

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

- a. True
- b. False

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

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

### **Comm 22.32 Specific insulation requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- a. True
- b. False

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

- a. True
- b. False

**Comm 22.33 Slab floors.**

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

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

61. 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

**Construction Inspection/Qualifier Cont. Ed. Test 6**

**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 |     |   |   |   |   |

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Name and Credential Number

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Date

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1. If taking the same quiz more than once per cycle, fill out the forms with different dates.
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1. Test answer sheets, fee, and the following form.
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