

DCQ 6 Hour Continuing Education Exam #17533

Name as it appears on your license: _____	
Address: _____	
Email: _____	Phone: _____
License #: _____	

1) Foam plastic insulation shall have a flame-spread rating of ____ or less.

- A. 50
- B. 75
- C. 78
- D. 85

2) Foam plastic insulation shall have a smoke-developed rating of _____ or less.

- A. 75
- B. 200
- C. 400
- D. 450

3) Foam plastic insulation can be separated from the interior of the dwelling by 3/8th -inch gypsum wallboard.

- A. True
- B. False

4) Foam plastic insulation shall be separated from the interior of the dwelling by ½ -inch nominal wood structural panel.

- A. True
- B. False

5) Foam plastic insulation shall be separated from the interior of the dwelling by a product or material shown by an independent laboratory to limit the temperature rise on the unexposed surface to 250°F for 15 minutes when tested in accordance with ASTM E-119.

- A. True
- B. False

6) For doors with foam insulation, the sheet metal must have a minimum thickness of 26 standard steel gauge or aluminum with a minimum thickness of 0.032 inch.

- A. True
- B. False

7) Number 26 standard steel gauge is approximately equal to 0.032-inch.

- A. True
- B. False

8) On overhead garage door's thermal barrier is not required on foam insulation.

- A. True
- B. False

9) A thermal barrier is required in the box sill of the basement or ground floor, above the bottom of the floor joists.

- A. True
- B. False

10) Any person making or causing an excavation which may affect the lateral soil support of adjoining property or buildings shall provide at least 30 days written notice to all owners of adjoining buildings of the intention to excavate.

- A. True
- B. False

11) The 30-day time limit means that excavation must wait 30 days unless a waiver is signed by the owner(s) of the adjoining properties.

- A. True
- B. False

12) 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

13) If the excavation is made to a depth in excess of 12 feet below grade, the owner(s) of adjoining buildings shall be responsible for any necessary underpinning or

extension of the foundations of their buildings to a depth of 12 feet below grade. The person making or causing the excavation shall be responsible for any underpinning or extension of foundations below the depth of 12 feet below grade.

- A. True B. False

14) Once the footings have been poured, no excavation can be made below the footing and foundation unless provisions are taken to prevent the collapse of the footing or foundation.

- A. True B. False

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

- A. True B. False

16) SPS 321.15 says footings are required for dwellings and _____.

- A. detached structures
- B. attached structures
- C. garages
- D. sidewalks

17) Footings are designed to transmit and safely distribute the loads to the soil.

- A. True B. False

18) Which loads are included in determining the footing size?

- A. Weight of the live load
- B. Weight of the roof
- C. Weight of the structural system
- D. All of the above

19) Footings must be sized to not exceed the allowable material stresses.

- A. True B. False

20) The bearing area shall be at least equal to the area required to transfer the loads to the supporting soil without exceeding the frost line.

- A. True B. False

21) Structures supported on floating slabs or similar shallow foundations may not be physically attached to structures that are supported by footings that extend

below the frost line unless an isolation joint is used between the structures.

- A. True B. False

22) The isolation between a structure supported on a floating slab and garage supported by below the frost line piers shall extend for the full height of the structure.

- A. True B. False

23) The minimum width of the footing on each side of the foundation wall shall measure at least ___ inches wider than the wall footing constructed of unreinforced concrete.

- A. 2
- B. 3
- C. 4
- D. 6

24) Lintels may be used in place of continuous footings when there is a change in footing elevation.

- A. True B. False

25) A horizontal supporting member installed above an opening such as a window or a door that serves to carry the weight of the wall above it is called a _____.

- A. slip joint
- B. lintel
- C. pony wall
- D. column

26) The minimum width and length of column or pier footings shall measure at least ___ feet by ___ feet.

- A. 2 by 2
- B. 3 by 3
- C. 2 by 4
- D. 4 by 4

27) The minimum depth of column or pier footings shall measure at least ___ inches nominal.

- A. 6
- B. 12
- C. 18
- D. 48

28) The minimum width of a trench footing shall be at least ___ inches nominal.

- A. 6
- B. 8

C. 12

D. 18

29) Footing for chimneys or fireplaces shall extend at least ___ inches on each side of the chimney or fireplace.

A. 2

B. 4

C. 6

30) The minimum depth for a chimney's or fireplace's footing shall measure at least ___ inches nominal.

A. 8

B. 10

C. 12

D. 14

31) Any dwelling supported on a floating slab on grade shall be designed through structural analysis.

A. True B. False

32) Decks attached to dwellings and detached decks which serve as an exit shall be supported on a structural system designed to transmit and safely distribute the loads to the soil.

A. True B. False

33) Deck footings shall be sized to not exceed the allowable material stresses.

A. True B. False

34) To provide adequate spread of the load through the concrete or gravel footer, the thickness of a column for a deck should be at least one-half of its diameter, but in no case less than _____ inches.

A. 4

B. 6

C. 8

35) The bearing area of a deck footing shall be at least equal to the area required to transfer the loads to the supporting soil without exceeding the bearing values of the soil.

A. True B. False

36) No footing or foundation shall be placed on soil with a bearing capacity of less than 2,000 pounds per square foot unless the footing or foundation has been designed through structural analysis.

A. True B. False

37) The soil-bearing values of common soils must be determined by a soils professional.

A. True B. False

38) Stiff clay is a firm inorganic silt with a soil bearing capacity of _____.

A. 2000

B. 2500

C. 3000

D. 4000

39) Dense sand and gravel is a very compact mixture of clay, sand and gravel with a soil bearing capacity of _____.

A. 2000

B. 2500

C. 3000

D. 6000

40) Rock has a soil bearing capacity of _____.

A. 3000

B. 6000

C. 8000

D. 12000

41) If the soil located directly under a footing or foundation overlays a layer of soil having a smaller allowable bearing value, the _____ soil-bearing value shall be used.

A. smaller B. larger

42) When requested by the inspector, soil data shall be provided.

A. True B. False

43) The general rule for frost protection is that footings and foundations shall be placed below the frost penetration level or at least 48 inches below adjacent grade, whichever is deeper.

A. True B. False

44) Footings may be placed on frozen material.

A. True B. False

45) Frost protected shallow foundations shall be designed in accordance with ASCE-32 as adopted in Table 320.24-5.

A. True B. False

46) Footings and foundations may bear directly on bedrock less than 48 inches below adjacent grade provided _____.

- A. The rock is cleaned of all earth prior to placement.
- B. All clay in crevices of the rock are removed to the level of frost penetration or to 1.5 times the width of the rock crevice, whichever is less.
- C. Provisions are taken to prevent water from collecting anywhere along the foundation.
- D. All of the above

47) The deciding factor on whether to install a drain tile is whether groundwater occurs above the bottom of the footing.

A. True B. False

48) A complete drain tile or pipe system includes _____.

- A. Bleeders connecting the inside tile or pipe to the outside tile.
- B. The sump pit or crock.
- C. A pump or other means of discharge.
- D. All of the above

49) For an alteration to an existing dwelling covered by this code, can a municipality require a complete drain tile or pipe system?

A. Yes B. No

50) May a municipality allow a partial drain tile or pipe systems for new dwellings under construction or existing dwellings?

A. Yes B. No

51) The basement slab shall be placed on at least _____ inches of clean graded sand, gravel or crushed stone.

- A. 2
- B. 3
- C. 4
- D. 6

52) Manufactured drainage systems not meeting the requirements of this section shall be submitted to the department for review and approval prior to installation.

A. True B. False

53) In most circumstances, the drain tile or pipe used for foundation drainage shall be at or below the top of the footing.

A. True B. False

54) Drain tile or pipe shall have an inside diameter of at least _____ inches.

- A. 2
- B. 3
- C. 4
- D. 6

55) Drain tile or pipe shall have sealed seams and joints to prevent water from entering.

A. True B. False

56) Where individual tiles are used, they shall be laid with 1/8-inch open joints. Joints between tiles shall be covered with a strip of asphalt or tar impregnated felt.

A. True B. False

57) The tile or pipe shall be placed upon at least _____ inches of coarse aggregate and shall be covered on the top and the side facing away from the dwelling with at least 12 inches of coarse aggregate.

- A. 2
- B. 3
- C. 4
- D. 6

58) The coarse aggregate must meet _____.

- A. 100% of the aggregate must pass a 1-inch sieve.
- B. 90-100% of the aggregate must pass a 3/4-inch sieve.
- C. 0-55% of the aggregate must pass a 3/8-inch sieve.
- D. 0-5% of the aggregate must pass a #8 sieve.
- E. All of the above

59) How big are the openings on a #8 sieve?

- A. 0.236 mm or 0.009 inch
- B. 2.36 mm or 0.09 inch
- C. 36 mm or 0.9 inch
- D. 23 mm or 0.9 inch

60) Bleeder tiles or pipes shall be provided at no more than 8-foot intervals to connect the exterior drain tile or pipe to the interior drain tile or pipe.

A. True B. False

61) Bleeder tiles or pipes shall have a minimum interior diameter of _____ inches.

- A. 2
- B. 3
- C. 4

62) Direct connection of the bleeders to the drain tile is required.

- A. True
- B. False

63) The drain tiles or pipe that lead from the footing tiles to the sump pit shall be laid at a grade of at least ____ inch per foot leading to the sump pit.

- A. 1/2
- B. 1/4
- C. 1/8
- D. level no pitch permitted

64) The remaining drain tiles or pipe shall be level or graded downward to the line leading to the sump pit.

- A. True
- B. False

65) Drain tiles or pipe shall be connected to the sump pit.

- A. True
- B. False

66) The sump pit shall discharge to natural grade or be equipped with a pump.

- A. True
- B. False

67) A local government can adopt requirements that are stricter than the UDC.

- A. True
- B. False

68) The UDC applies to a triplex.

- A. True
- B. False

69) The purpose of the UDC is to establish _____ installation standards and inspection procedures for manufactured homes.

- A. minimum
- B. maximum
- C. uniform

70) The UDC also applies to _____.

- A. Adult family homes providing care, treatment and services for 3 or 4 unrelated adults built on or after June 1, 1980.
- B. Community-based residential facilities providing care, treatment and services for 5 to 8 unrelated adults built on or after June 1, 1980.

C. Adjacent, unattached structures that serve as an exit from a dwelling.

D. All of the above

71) The UDC regulates front and rear setback requirements.

- A. True
- B. False

72) The UDC applies to zoning decisions.

- A. True
- B. False

73) Any municipality may, by ordinance, require permits and fees for any construction, additions, alterations or repairs not within the scope of the code.

- A. True
- B. False

74) Fees established by local governments must be reasonably related to the services provided.

- A. True
- B. False

75) Any municipality may, by ordinance, adopt the UDC to apply to any additions or alterations to existing dwellings.

- A. True
- B. False

76) The UDC permits erosion and sediment control requirements that are more stringent than the standards of the UDC when directed by an order of the United States Environmental Protection Agency or by an administrative rule of the Department of Natural Resources.

- A. True
- B. False

77) The UDC permits local governments to adopt erosion and sediment control for sites that are not under the scope of the UDC.

- A. True
- B. False

78) Because of the UDC, the department and the municipality having jurisdiction assumes legal responsibility for the design or construction of dwellings.

- A. True
- B. False

79) The provisions of the UDC are not retroactive.

- A. True
- B. False

80) The code is intended to prohibit or discourage the construction of innovative dwellings such as a dwelling built below ground, a geodesic dome, a concrete house, a fiber-glass house or any other nonconventional structure.

A. True B. False

81) The code extends to driveways, sidewalks, landscaping and other similar features.

A. True B. False

82) The effective date of chapters SPS 320, 321, 323, 324 and 325 is June 1, 1980.

A. True B. False

83) The installation of heating, air conditioning, plumbing or electrical systems is not required.

A. True B. False

84) If heating, air conditioning, plumbing or electrical systems are installed, the systems and their installation shall comply with the code.

A. True B. False

85) Additions and alterations to dwellings covered by the code shall comply with all provisions of the code at the time of permit application or the beginning of the project, if no permit is required.

A. True B. False

86) For a bed and breakfast, a structural addition, for which no use other than as a bed and breakfast establishment is proposed is subject to the code.

A. True B. False

87) If a barn or garage is converted to residential use, it must comply with the code.

A. True B. False

88) Where an existing dwelling or manufactured home is placed on a different foundation, the new foundation is considered _____ to the existing dwelling or manufactured home.

- A. an addition or alteration
- B. an extension
- C. an improvement

89) The applicability of the UDC to an addition or alteration to an existing dwelling or manufactured home is determined by the original date of construction

of the dwelling or manufactured home and is not altered by any movement of the structure.

A. True B. False

90) For a building to be considered a separate single-family dwelling or a separate 2-family dwelling within the scope of this code, regardless of ownership or occupancy arrangements, all of the following conditions shall be met:

- A. No structural members other than a common footing may be shared between any 2 dwellings.
- B. The adjoining exterior walls of the separate dwellings shall each have exterior coverings.
- C. The adjoining exterior walls, including foundations, of the separate dwellings shall each meet the energy requirements.
- D. Both sides of any 2 adjoining walls, floors, ceilings and attics between dwellings shall meet the dwelling separation requirements of SPS 321.08 (1) for 2 dwellings on the same property less than 5 feet apart.
- E. All of the above

91) A building of 3 or more dwelling units without the separations specified in the UDC is a commercial building and shall meet the requirements set forth in that code.

A. True B. False

92) The provisions of the UDC does not apply to dwellings and dwelling units, the construction of which was commenced prior to the effective date of the UDC or to additions or alterations to such dwellings.

A. True B. False

93) The UDC applies to repairs or maintenance to dwellings or dwelling units, or to the repair of electrical, plumbing, heating, ventilating, air conditioning and other systems installed therein.

A. True B. False

94) With the exception of the building permit requirements, the provisions of the UDC do not apply to detached garages or to any accessory buildings detached from the dwelling.

A. True B. False

95) The provisions of the UDC do not apply to detached decks provided the deck does not serve as an exit from the dwelling.

- A. True B. False

96) The provisions of the UDC apply to manufactured homes and modular homes used exclusively for display purposes.

- A. True B. False

97) The provisions of the UDC apply to dwellings located on Indian reservation land held in trust by the United States.

- A. True B. False

98) A municipality may choose to enforce the UDC, allow the county to enforce the UDC or allow the department to enforce the UDC.

- A. True
B. True if it is under 2,500 in population
C. False

99) Municipalities intending to exercise jurisdiction shall, by ordinance, adopt the UDC in its entirety.

- A. True B. False

100) The notification of intent by a local government must include a statement by the municipality as to which of the following methods will be used for enforcement which could be _____.

- A. individual municipal enforcement.
B. joint municipal enforcement.
C. contracted with certified UDC inspector(s) or an independent inspection agency.
D. contracted with another municipality.
E. A and B
F. All of the above

101) If a municipality fails to adopt an ordinance regarding enforcement of the UDC, the department will oversee enforcement and inspection services for new dwellings, including manufactured buildings used as dwellings.

- A. True B. False

102) If the agency responsible for issuance of permits changes while a dwelling is under construction, all required inspections must be completed by the municipality or agency that issued the permit.

- A. True B. False

103) "Addition" means new construction performed on a dwelling which increases the outside dimensions of the dwelling.

- A. True B. False

104) "Attached," defining the relationship between another building and a dwelling, means at least one of the following conditions is present:

- A. A continuous roof
B. A continuous structural floor system
C. A continuous foundation system
D. All of the above

105) What is the difference between a balcony and a deck?

- A. A deck can be an unattached structure
B. A deck does not have a roof

106) "Carport" means a structure used for storing motorized vehicles that is attached to a dwelling and has at least ___ side(s) completely unenclosed.

- A. 1
B. 2
C. 3

107) "Closed construction" means:

- A. 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.
B. 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.

108) "Repair" means:

- A. 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 the equivalent fixture, system or equipment.
B. 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.

109) "Erosion" means the detachment and movement of soil, sediment or rock fragments by water, wind, ice or gravity.

A. True B. False

110) "Farming" means the operation of a farm premises owned but not rented by the operator.

A. True B. False

111) "Hearth" means the floor area _____ the fire chamber of a fireplace.

- A. in front of
- B. in front of and within
- C. within

112) "Landing" means the level portion of a stairs located between flights of stairs or located at the top and foot of a stairs.

A. True B. False

113) Modular home and manufactured home mean the same thing.

A. True B. False

114) "Naturally vented appliance" 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. True B. False

115) "Fiberglass asphalt shingle" 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. True B. False

116) "Stabilized" means the condition where vegetation is established or other practices are in place on exposed soil surfaces so as to reduce erosion.

A. True B. False

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

A. True B. False

118) The application for the UDC permit and the submission of plans under s.SPS 320.09 constitutes the notice of intent process.

A. True B. False

119) A Wisconsin uniform building permit application for the construction or installation of a dwelling may be filed with the department rather than the municipality or the authorized UDC inspection agency.

A. True B. False

120) Building permits for additions, alterations and repairs are not required in municipalities where the department has jurisdiction.

A. True B. False

121) A permit may be issued only after approval of the requirements under this section by a certified UDC inspector or the chief executive of the municipality.

A. True B. False

122) The municipality shall purchase a Wisconsin uniform building permit seal from the department for each new dwelling.

A. True B. False

123) The building permit plan shall include:

- A. Site plan
- B. Floor plan
- C. Elevations
- D. Storm water management plan
- E. All of the above

124) A person applying for a Wisconsin uniform building permit may include an owner who will own the dwelling but will not reside in the dwelling.

A. True B. False

125) Action to approve or deny a uniform building permit application shall be completed within 10 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. True B. False

After completing your exam what is next?

Return Your Exam and pay the course fee!

Mail the following items to Wisconsin Housing Alliance, 258 Corporate Drive, Suite 200C, Madison, WI 53714

- ◆ Completed course exam
- ◆ \$50 check for course fee or call with credit card payment

OR you may fax (608-255-5595) or email your completed exam to julie@housingalliance.us and call with credit card information

A CONFIRMATION AND RECEIPT WILL BE EMAILED TO YOU.

Questions? Contact Julie, Wisconsin Housing Alliance at (608) 255-3131 or julie@housingalliance.us.

NOTE: Only a person currently holding a Dwelling Contractor Qualifier license, who works for a business with a Dwelling Contractor license, may pull building permits on one- or two- family dwellings.

Contractor licenses are issued through the Wisconsin Department of Safety and Professional Services.

