

DCQ 6 Hour Continuing Education Exam #12772

Name as it appears on your DCQ license: _____

Address: _____

Email: _____ Phone: _____

License #: _____

Soil Erosion

1) The finished grade of the soil shall slope away from the dwelling at a rate of at least _____ per foot.

- A. 1/8 inch
- B. 1/4 inch
- C. 1/2 inch
- D. 1 inch

2) The graded slope away from the dwelling shall be at least _____.

- A. a minimum distance of 10 feet.
- B. a minimum distance of 10 feet or to the lot line, whichever is less.
- C. a minimum distance of 10 feet or to the lot line, whichever is more.
- D. to the lot line.

3) The purpose of erosion control as stated in the UDC is to prevent or reduce the potential deposition of soil or sediment to the waters of the state and adjacent properties.

- A. True
- B. False

4) Land disturbing construction activities, except those activities necessary 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. True
- B. False

5) A disturbed area shall be considered stabilized by vegetation when a perennial cover has been established with a density of at least ____%.

- A. 60
- B. 67
- C. 70
- D. 75

6) Which of the following is NOT a mandated erosion control practice?

- A. A method to prevent or reduce soil leaving the site via roads or entries.
- B. The discharge of sediment from disturbed areas into the drinking water system.
- C. Protection of adjoining waters of the state.
- D. Stockpile protection.

7) Where less than one acre of land disturbing construction activity is to occur, the reduction of at least ____% of the potential sediment load is the state standard.

- A. 30
- B. 40
- C. 50
- D. 80

8) Where more than one acre of land disturbing construction activity is to occur, the reduction of at least ____% of the potential sediment load is the state standard.

- A. 30
- B. 40
- C. 50
- D. 80

9) Either a stone tracking pad or tire washing station shall be used at all points of construction egress. This standard applies where construction traffic is likely to transport sediment off site.

- A. True
- B. False

10) The aggregate in a tracking pad shall be placed in a layer at least _____ inches thick.

- A. 8
- B. 10
- C. 12
- D. 18

11) Stone tracking pads shall be underlain with a WisDOT Type R geotextile fabric to prevent migration of underlying soil into the stone if what conditions are present on the job site?

- A. Sites with a high water table
- B. Where saturated conditions are expected
- C. Both A and B
- D. Neither A nor B

12) The tracking pad shall be the full width of the egress point.

- A. True
- B. False

13) The tracking pad shall be at a minimum _____ feet long.

- A. 20
- B. 25
- C. 40
- D. 50

14) Surface water must be prevented from passing through the tracking pad. Flows shall be diverted away from tracking pads or conveyed under and around them. A culvert would be an approved method.

- A. True
- B. False

15) A tire washing station can be located either on-site or off-site.

- A. True
- B. False

16) The wash rack for a tire washing station shall consist of a layer of course rock over a lowered area.

- A. True
- B. False

17) Rocks lodged between the tires of dual wheel vehicles shall be removed prior to leaving the construction site.

- A. True
- B. False

18) Any sediment tracked onto a public or private road should be removed by flushing before the end of each working day.

- A. True
- B. False

19) All plans for tracking pads or washing, standard detail drawings, or specifications shall include:

- A. Schedule for installation
- B. Inspection
- C. Maintenance
- D. All of the above

20) Tracking pads and tire washing stations shall, at a minimum, be inspected _____.

- A. Daily
- B. Weekly
- C. Monthly

21) 24 hours after a precipitation event that produces _____ inches of rain or more during a 24-hour period would create a new mandatory inspection of a tracking pad.

- A. 0.25 inch
- B. 0.50 inch
- C. 0.75 inch
- D. 1.0 inch

22) The tracking pad performance shall be maintained by scraping or top-dressing with additional aggregate.

- A. True
- B. False

23) If the initial thickness of a tracking pad is 12 inches, then how much thickness must be maintained?

- A. 8 inches
- B. 10 inches
- C. 12 inches

24) A shallow trench or diversion dam that diverts surface water runoff into a dispersion area is called what?

- A. Diversion trench
- B. Water bar
- C. Runoff dam
- D. Shallow trench

25) A tracking pad plan shall include the name of the responsible party.

- A. True
- B. False

26) Landowners of most construction projects where one or more acres of land will be disturbed must obtain a WPDES Construction Site Erosion Control and Storm Water Discharge Permit.

- A. True
- B. False

27) Landowners need to submit an application called a Notice of Intent (NOI) to request coverage under the Construction Site Storm Water Runoff General Permit No. WIS067831.

- A. True
- B. False

28) Common pollutants in runoff include:

- A. Sediment
- B. Oil
- C. Phosphorus
- D. All of the above

29) Most storm sewer systems provide significant treatment to the water they collect.

- A. True
- B. False

30) Too much sediment in a waterbody can cloud the water and make it difficult or impossible for aquatic plants to receive the sunlight they need to grow.

- A. True
- B. False

31) Disturbing one acre or more of land includes:

- A. Clearing
- B. Grading
- C. Excavating or stockpiling of fill material
- D. All of the above

32) If the landowner doesn't have proper permit coverage, they could be fined up to \$10,000 per day.

- A. True
- B. False

33) Who Submits an NOI & Develops the Plans?

- A. The contractor
- B. The landowner
- C. The local government
- D. All of the above

34) The erosion control and storm water management plans must be completed _____ the landowner files an NOI.

- A. before
- B. when
- C. after

35) The landowner is required to develop a long-term storm water maintenance agreement that is to be finalized prior to submitting the NOI to the DNR.

- A. True
- B. False

36) One of the three exemptions to the requirements for a post construction stormwater management plan includes sites with less than 10% connected impervious areas and roofs totaling less than one acre.

- A. True
- B. False

37) The four areas of an acceptable stormwater management plan include: introduction, general information and _____.

- A. practices (BMP's)
- B. normal operating procedures
- C. maintenance
- D. All of the above

38) A silt fence is a temporary sediment barrier of entrenched geotextile fabric designed to intercept and slow the flow of runoff.

- A. True
- B. False

39) A silt fence shall be a minimum of _____ inches high.

- A. 12
- B. 14
- C. 16
- D. 24

40) When using wood supports, the silt fence fabric shall be stapled at least _____ inches.

- A. 0.25
- B. 0.50
- C. 0.75
- D. 1.0

41) Wood silt fence supports can be made from:

- A. Pine or hickory
- B. Pine or oak
- C. Hickory or oak
- D. Walnut or pine

42) Steel supports for silt supports shall be a minimum of 20 inches extending into the ground.

- A. True
- B. False

43) For steel support for silt fencing, the fabric shall be attached with _____-pound plastic ties or wire fasteners.

- A. 25
- B. 40
- C. 50
- D. 75

44) Silt fences shall be removed once the disturbed area is permanently stabilized and no longer susceptible to erosion.

- A. True
- B. False

45) The maximum height for a silt fence is _____ inches.

- A. 24
- B. 26
- C. 28
- D. 30

46) The trench for a silt fence can be 4-inch-wide by 6-inch-deep or a 6-inch-deep V trench on the upslope side of the fence.

- A. True
- B. False

Construction Debris & Waste

47) A study shows _____% of waste placed in landfills is construction and demolition waste.

- A. 25.0%
- B. 28.7%
- C. 37.2%
- D. 50.0%

48) _____ out of the top 10 types of waste entering landfills are construction and demolition types.

- A. 1
- B. 2
- C. 3
- D. 4

49) The number one type of debris in the waste stream is:

- A. Shingles
- B. Concrete
- C. Brick
- D. Untreated wood

50) Waste paints, solvents, sealers and adhesives commingled in C&D waste have greater potential for environmental impacts.

- A. True
- B. False

51) There is recycling potential for asphalt, brick, concrete, glass, metal, drywall and wood.

- A. True
- B. False

52) Brick and cement blocks are often combined with concrete and asphalt and are crushed to form the base for roadbeds and driveways.

- A. True
- B. False

53) Excess painted and treated wood lumber at construction sites can be chipped for use in landscaping and composting.

- A. True
- B. False

54) "Clean fill" can include:

- A. Brick
- B. Broken pavement
- C. Concrete
- D. All of the above

55) Brick, broken pavement, building stone, clean soil, concrete, reinforced concrete and unpainted or untreated wood can be used as "clean fill" in a floodplain.

- A. True
- B. False

Understanding Fasteners

56) Nails date back to at least the Ancient Roman times.

- A. True
- B. False

57) Manufactured cut nails were first introduced in America at the end of the 20th Century.

- A. True
- B. False

58) A nail in the US is sized using the term "penny."

- A. True
- B. False

59) Box nails have a bigger shank than common nails.

- A. True
- B. False

60) A finish nail is a wire nail that has a head only slightly larger than the shank.

- A. True
- B. False

61) Types of galvanized nails include:

- A. Electrogalvanized
- B. Hot-dip galvanized
- C. Mechanically galvanized
- D. All of the above

62) The minimum fastener table for boards and planks permits nails or staples.

- A. True
- B. False

Stairs, Handrails, Ramps & Decks

63) Stairways leading to non-habitable attics or crawl spaces are not covered by the UDC code.

- A. True B. False

64) Generally, stairways shall measure at least 36 inches in width.

- A. True B. False

65) Spiral staircases shall be at least _____ inches wide measured from the outer edge of the supporting column to the inner edge of the handrail.

- A. 24
B. 26
C. 28
D. 30

66) Except for spiral staircases, risers may not exceed 8 inches in height measured vertically from tread to tread.

- A. True B. False

67) At the top and bottom of a flight of spiral stairs, the measurement shall be taken from the top of the nosing to the finished floor surface unless the finished surface is carpeting, in which case measurement shall be made to the hard surface below the carpeting.

- A. True B. False

68) Risers in spiral staircases may not exceed _____ inches in height measured vertically from tread to tread.

- A. 9
B. 9.25
C. 9.5
D. 10

69) Rectangular treads shall have a minimum tread depth of _____ inches measured horizontally from nosing to nosing.

- A. 8
B. 9
C. 9.5
D. 10

70) Spiral staircase treads shall have a minimum tread depth of 7 inches from nosing to nosing measured at a point 12 inches from the outer edge of the center column.

- A. True B. False

71) Stairways shall be provided with a minimum headroom clearance of 76 inches measured vertically from a line parallel to the nosing of the treads to the ceiling, soffit or any overhead obstruction directly above that line.

- A. True B. False

72) The headroom clearance shall be maintained over a landing that is at the top or bottom of a stairway for a minimum distance of _____ inches in the direction of travel of the stairway.

- A. 28
B. 32
C. 36

73) Within a stairway flight, the greatest tread depth may not exceed the smallest tread depth by more than 5/8 inch and the greatest riser height may not exceed the smallest riser height by more than 5/8 inch.

- A. True B. False

74) 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 adjacent treads.

- A. True B. False

75) The walking surface of stair treads and landings shall be a planar surface that is free of lips or protrusions that could present a tripping hazard.

- A. True B. False

76) Stair flights with more than _____ risers shall be provided with at least one handrail for the full length of the stair flight.

- A. 2
B. 3
C. 4
D. 5

77) Rope, cable or similar materials used in handrail or guardrail infill shall be strung with maximum openings of 3 1/2 inches with vertical supports a maximum of _____ feet apart.

- A. 2
B. 3
C. 4
D. 5

78) Handrails and guardrails shall be designed and constructed to withstand a 200-pound load applied in any direction.

- A. True
- B. False

79) Handrail or guardrail infill components, balusters and panel fillers shall withstand a horizontally applied perpendicular load of _____ pounds on any one-foot-square area.

- A. 25
- B. 50
- C. 75
- D. 1000

80) Glazing used in handrail or guardrail assemblies shall be safety glazing.

- A. True
- B. False

81) Exterior handrails and guardrails shall be constructed of metal, decay resistant or pressure-treated wood, or shall _____.

- A. be protected from wind
- B. be protected from pests
- C. be protected from the weather

82) The clearance between a handrail and the wall surface shall be at least ____ inches.

- A. 1 1/2
- B. 2
- C. 3
- D. 4

83) Handrails and associated trim may project into the required width of stairs and landings a maximum of 4 1/2 inches on each side.

- A. True
- B. False

84) Handrails shall be _____ about the vertical centerline to allow for equal wraparound of the thumb and fingers.

- A. round
- B. symmetrical
- C. square

85) Handrails with a round or truncated round cross-sectional gripping surface shall have a maximum whole diameter of ____ inches.

- A. 2
- B. 2 1/2
- C. 4

86) Handrails may be discontinuous at an intermediate landing.

- A. True
- B. False

87) A handrail may have newel posts.

- A. True
- B. False

88) A handrail may terminate at an intermediate wall provided the lower end of the upper rail is returned to the wall or provided with a flared end, the horizontal offset between the 2 rails is no more than 12 inches measured from the center of the rails, and both the upper and lower rails can be reached from the same tread without taking a step.

- A. True
- B. False

89) A level intermediate landing shall be provided in any stairway with a height of _____ feet or more.

- A. 8
- B. 10
- C. 12
- D. 16

90) A curved or irregular landing shall have a radius of at least 36 inches.

- A. True
- B. False

91) Guardrails shall be constructed to prevent the through-passage of a sphere with a diameter of _____ inches or larger.

- A. 4
- B. 6
- C. 7

92) A level landing shall be provided at the top and base of every stairs. The landing shall be at least as wide as the stairs and shall measure at least ____ feet in the direction of travel.

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

93) A landing is not required between the door and the top of interior stairs if the door does not swing over the stairs.

- A. True
- B. False

94) A landing is not required between a sliding glass door and the top of an exterior stairway of ____ or fewer risers.

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

95) The exterior landing, platform or sidewalk at an exterior doorway shall be located a maximum of 8 inches below the interior floor elevation and shall have a length of at least 36 inches in the direction of travel out of the dwelling.

- A. True
- B. False

96) Ramps shall not have a slope greater than 1 in ____ or 1 foot of rise in ____ feet of run.

- A. 6
- B. 8
- C. 10
- D. 20

97) Walkways with a slope of less than 1 in ____ are not considered ramps.

- A. 6
- B. 8
- C. 10
- D. 20

98) Ramps must have a slip resistant surface.

- A. True
- B. False

99) Handrails and their trim can project a maximum of 4 ½ inches into the required width of the stairs or landing.

- A. True
- B. False

100) When the ramp has a gradient greater than 1 in 12 AND which overcomes a change in elevation of ____ inches or more, shall have a handrail on both sides.

- A. 6
- B. 8
- C. 12
- D. 24

101) Every ramp that overcomes a change of elevation of ____ inches or more shall have at least one handrail.

- A. 6
- B. 8
- C. 10
- D. 12

102) Handrails shall be located so the top of the handrail is at least ____ inches but not more than 38 inches above the ramp surface.

- A. 18
- B. 24
- C. 30
- D. 36

103) Open sided ramps shall have the area below the handrail protected by intermediate rails or an ornamental pattern to prevent the passage of a sphere of 4 inches or larger.

- A. True
- B. False

104) A level landing shall be provided at the _____.

- A. top of ramp
- B. foot of ramp
- C. change of direction of ramp
- D. All of the above

105) The landing must be at least as wide as the ramp and shall measure at least ____ feet in the direction of travel.

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

Soil Types

106) Stiff clay and firm inorganic silt have a bearing capacity of ____ psf.

- A. 1000
- B. 2000
- C. 3000
- D. 4000

107) Rock has a bearing capacity of _____ psf.

- A. 3000
- B. 4000
- C. 6000
- D. 12000

Footings

108) In lieu of a designed footing, the code required minimum size or a column footing of 24" x 24" x _____" thick.

- A. 6
- B. 8
- C. 12
- D. 24

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

- A. 4
- B. 6
- C. 8
- D. 12

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

- A. True
- B. False

CO Detectors

111) Owners are responsible for CO detector installations and occupants have responsibility to maintain the alarms.

- A. True
- B. False

112) Owners must repair or replace detectors within _____ days of written notice from an occupant or an inspector.

- A. 3
- B. 5
- C. 7
- D. 10

113) Freezing temperatures do not damage carbon monoxide alarms.

- A. True
- B. False

114) CO detectors must be installed in the basement and on each floor level.

- A. True
- B. False

115) If the dwelling was permitted or construction on or after Feb 1, 2011 the CO detector must be hard wired unless the home has no attached garage, no fireplace and no fuel-burning appliance.

- A. True
- B. False

116) CO detectors used in Wisconsin must be approved by Underwriters Laboratories.

- A. True
- B. False

117) Carbon monoxide smells like rotten eggs.

- A. True
- B. False

118) Carbon monoxide can build up over time, with unrecognized symptoms such as:

- A. Headaches
- B. Nausea
- C. Irritability
- D. All of the above

119) Electric appliances are a common source of carbon monoxide.

- A. True
- B. False

120) The CO detector installation requirements for multifamily dwellings are different.

- 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.

