

The following test is Continuing Education for:

**Master Plumbers, Journeyman Plumbers, UDC Plumbing Inspectors,
and Commercial Plumbing Inspectors.**

You can complete the test by printing a hard copy, or you can take it online. All answers are found in the Wisconsin Uniform Plumbing Code Book (Comm. 81 and 82). If you do not own a Plumbing codebook, you may follow this link to the State of Wisconsin website and download it to your computer. <http://commerce.wi.gov/SB/SBDivCodesListing.tml>.

The answer sheet can be found at the end of the test. Take the following steps to complete the testing process:

- 1. Print the answer sheet and circle the correct answer.**
- 2. Complete and Mail the:**
 - a) Answer sheet**
 - b) Educational Course Attendance Verification Form
(found after the answer sheet)**
 - c) Correct fees.**

There is no reason to mail the whole test.

Remember: All questions have been extracted from the codebook. Therefore, the one correct answer will be as worded in the codes.

Begin test on the following page...

Plumbing Continuing Education Test 6

Comm 81.01: Definitions

1. _____ means a water closet, lavatory and a bathtub or shower located together on the same floor level.

- a. Full bathroom
- b. Bathroom group
- c. Three-quarter bath
- d. None of the above

2. _____ means that portion of a drain system that consists of a series of pipes that transport water from one area to another without providing detention.

- a. Corporation cock
- b. Cross connection control assembly
- c. Conveyance system
- d. Cross connection

3. _____ means a pipe or channel outside a building which conveys storm water from the roof or gutter drains to a storm drain, storm sewer or to grade.

- a. Leader
- b. Adequate channel
- c. Control measure
- d. Major outfall

4. _____ means a color classification that specifies the relative degrees of the color variables in terms of hue, value and chroma.

- a. Mottling
- b. Ground surface color
- c. Redoximorphic feature
- d. Munsell soil color

5. _____ means the portion of a pipe that is enlarged to receive the end of another pipe of the same diameter for the purpose of making a joint.

- a. Bell
- b. Drip pan elbow
- c. Suction diffuser
- d. Connector

6. _____ means a type of plumbing system from which valid and reliable data are being sought to demonstrate compliance with the intent of chs. Comm 82 to 84.

- a. Failing private onsite wastewater treatment system
- b. Private sewage system
- c. Experimental system
- d. None of the above

7. _____ means a type of sewage pump which macerates wastewater consisting in part of sewage.

- a. Sewage pump
- b. Sewage grinder pump
- c. Effluent pump
- d. Sump pump

8. _____ means any industrial or commercial organization or enterprise operated for profit, including but not limited to a proprietorship, partnership, firm, business trust, joint venture, syndicate, corporation or association.

- a. Business services
- b. Organizational structure
- c. Business establishment
- d. Institutional structure

9. _____ means a type of stationary holding tank used to collect and hold wastewater discharges generated by an individual camping trailer or recreational vehicle.

- a. Campsite receptor
- b. Catch basin
- c. Camping unit transfer container
- d. None of the above

10. _____ means the accumulated floating solids generated during the biological, physical or chemical treatment, coagulation or sedimentation of wastewater.

- a. Sludge
- b. Slime
- c. Scum
- d. Sewage

11. Sewage means wastewater containing fecal coliform bacteria exceeding 200 CFU, colony forming units, per 100 ml.

- a. True
- b. False

12. _____ means a drain pipe serving as a receptor for the discharge wastes from indirect or local waste piping.

- a. Stack
- b. Spring line pipe
- c. Spigot
- d. Standpipe

13. _____ means the unobstructed vertical distance through the free atmosphere between the outlet of indirect or local waste piping and the flood level rim of the receptor into which it discharges.

- a. Air-gap
- b. Air-break
- c. Air-gap, drain system
- d. Air-gap, water supply system

14. _____ means an excavation which receives domestic wastewater by means of a drain system without pretreatment of the wastewater and retains the organic matter and solids permitting the liquids to seep from the excavation.

- a. Cesspool
- b. Cistern
- c. Refuse
- d. Holding tank

15. _____ means a method of venting 2 to 8 traps or trapped fixtures without providing an individual vent for each trap or fixture.

- a. Circuit vent
- b. Auto vent
- c. Individual vent
- d. Stack vent

16. _____ means a device supplied with hot or cold water, or both, and located adjacent to a water closet or clinical sink to be used for cleansing bedpans.

- a. Exposed wall hung unit
- b. Mixing valve
- c. Vacuum breaker
- d. Bedpan washer hose

17. Bedrock means rock that is exposed at the earth's surface or underlies soil material and includes:

- a. Weathered in-place consolidated material, larger than 2 mm in size and greater than 50% by volume
- b. Weakly consolidated sandstone at the point of increased resistance to penetration of a knife blade.
- c. Both a and b
- d. Neither a or b

18. _____ means an accessible opening in a drain system used for the removal of obstructions.

- a. Cleanout plug
- b. Plumbing auger
- c. Drain pipe
- d. Cleanout

19. _____ means solids in wastewater that can be removed readily by standard filtering procedures in a laboratory and reported as milligrams per liter (mg/L).

- a. Water quality measurement
- b. Conventional pollutant
- c. Total dissolved solids
- d. Total suspended solids

20. _____ means a fitting, device or arrangement of piping so designed and constructed as to provide, when properly vented, a liquid seal which prevents emission of sewer gases without materially affecting the flow of wastewater through it.

- a. Trap seal
- b. Trap seal primer
- c. Trap weir
- d. Trap

Comm 82.21 Testing and maintenance

21. The plumber shall have present the proper _____ for making the tests, and shall furnish such assistance as may be necessary in making the inspection.

- a. Apparatus
- b. Appliances
- c. Tools
- d. a and b

22. A _____ inspection shall be made when the plumbing system is roughed-in and before fixtures are set.

- a. Rough-in
- b First rough
- c. Second rough
- d. Final

23. Except as provided in subd. 1., plumbing work shall not be closed in, concealed, or covered until it has been _____ by the plumbing inspector and permission is granted to do so.

- a. Inspected
- b. Approved
- c. Evaluated
- d. a and b

24. Upon completion of the plumbing installation and before ____ approval is given, the plumbing inspector shall inspect the work.

- a. Final
- b. Initial
- c. Early
- d. Pre-

25. Whenever the plumbing official finds that the work or installation does not pass any initial test or inspection, the _____ corrections shall be made to comply with this chapter.

- a. Necessary
- b. Full
- c. Completed
- d. Identified

26. The work or installation shall then be _____ for inspection to the plumbing inspector.

- a. Reviewed
- b. Resubmitted
- c. Evaluated
- d. Reconsidered

27. The building sewer or private interceptor main sewer shall be tested by insertion of a test plug at the point of connection with the _____ sewer.

- a. Public
- b. Sanitary
- c. Stormwater
- d. Dedicated

28. The air test shall be made by attaching an air compressor testing apparatus to any _____ opening, and, after closing all other inlets and outlets to the system, forcing air into the system until there is a uniform gauge pressure of 3 pounds per square inch.

- a. Appropriate
- b. Approved
- c. Suitable
- d. Correct

29. The entire building drain with all its branches, receptacles and connections shall be brought so far as practical to the surface or grade of the basement floor and shall be tested with _____ in accordance with subd. 7.

- a. Water
- b. Air
- c. Water or air
- d. None of the above

30. The piping of a water distribution system shall be tested and proved water tight under a water pressure _____ the working pressure under which it is to be used.

- a. Equal to
- b. Matching
- c. Not more than
- d. Not less than

31. A test for _____ shall be applied to the entire drain and vent system at one time or to the entire system in sections after the rough piping has been installed in accordance with either subd. 7. a. or b.

- a. Waterflow
- b. Static pressure
- c. Residual pressure
- d. Watertightness

32. If applied to the entire system, all openings in the piping shall be tightly closed, except the _____ opening, and the system shall be filled with water to the point of overflow.

- a. Highest
- b. Lowest
- c. Main
- d. Top

33. If the system is tested in sections, each opening shall be tightly plugged _____ the highest opening of the section under test, and each section shall be filled with water, but a section shall not be tested with less than a 10 foot head of water.

- a. Including
- b. Excluding
- c. Except
- d. Counting

34. In testing successive sections, at least the upper _____ feet of the next preceding section shall be tested, so that no joint or pipe in the building, except the uppermost _____ feet of the system, is subjected to a test of less than a _____ foot head of water.

- a. 5
- b. 10
- c. 12
- d. 15

35. Where _____ by the local plumbing inspector, after the plumbing fixtures have been installed and the traps filled with water, the connections shall be tested and proved gas and watertight by either one of the methods specified in subd. 8. a. or b.

- a. Required
- b. Recommended
- c. Assessed
- d. Suggested

36. The smoke test shall be made by introducing a _____, thick smoke, produced by one or more smoke machines, into the completed system.

- a. Strong
- b. Substantial
- c. Pungent
- d. Putrid

37. When the smoke appears at stack openings on the roof, the openings shall be closed and a pressure equivalent to a (n) _____ inch water column shall be built and maintained for the period of the inspection.

- a. One
- b. Two
- c. Three
- d. Six

38. When a hazard to _____ exists or is created by an existing system, that system shall be repaired or replaced.

- a. Life
- b. Health
- c. Property
- d. All of the above

39. When an old or defective fixture is removed, to be replaced by a new fixture, and no other fixture or piping is to be added or remodeled, it is necessary to reconstruct the drain or vent piping to make it conform to the provisions of this chapter, unless the drain or vent piping is in a defective condition.

- a. True
- b. False

40. Where the existing drain or vent piping does not conform to the provisions of this chapter, the department may require the new fixtures to be provided with _____ traps.

- a. Full
- b. Drum
- c. Non-siphoning
- d. Deep Seal

41. When old or defective plumbing is to _____, the remodeled system shall be made to conform to this chapter.

- a. Be remodeled
- b. Have additional fixtures installed
- c. Have the whole plumbing system moved to another part of the building
- d. a, b, or c

42. Except as provided in subd. 2., plumbing materials removed and found to be in _____ condition, may be reused if such reuse is approved by the department or a local plumbing inspector.

- a. Excellent
- b. Good
- c. Fair
- d. Satisfactory

43. The owner of the building or facility in which the reused materials are to be installed shall provide _____ consent.

- a. Verbal
- b. Written
- c. Informed
- d. Legal

44. Water supply piping materials may only be _____ when intended for uses having an equal or higher degree of hazard than the previous use as specified in Table 82.70-1.

- a. Used
- b. Reused
- c. Salvaged
- d. Recycled

45. Existing building sewers and drains may be used in connection with _____ buildings only when they are found on examination and test to conform to the requirements of this chapter governing building sewers and drains.

- a. Commercial
- b. New
- c. Industrial
- d. Vacant

46. If the existing work is found _____ the local or state inspector shall notify the owner of the changes necessary to make it conform to the requirements of this chapter.

- a. Deficient
- b. Incomplete
- c. Defective
- d. To be substandard

47. All repairs to fixtures or piping shall be done in conformance with the provisions of this chapter, except repair clamps or bands may be used for _____ situations.

- a. Emergency
- b. Approved
- c. Unusual
- d. Atypical

48. When a structure is _____, all sanitary sewer, storm sewer and water supply connections shall be sealed and plugged in a safe manner.

- a. Demolished
- b. Removed
- c. a or b
- d. Preserved

49. If a dead end is created in the removal of any part of a drain system, all openings in the drain system shall be properly _____ .

- a. Sealed
- b. Installed
- c. Cleaned
- d. Fitted

50. A performance test shall be conducted for the devices listed in Table 82.21-1 at all of the following intervals EXCEPT:

- a. Before the time of installation.
- b. Immediately after repairs to the device have occurred
- c. Immediately after alterations to the device have occurred.
- d. At least annually.

51. As specified in Table 82.21-1, the results of the cross connection device performance test shall be submitted to the department and purveyor within _____ days of completion of the test.

- a. 14
- b. 20
- c. 60
- d. 30

52. The results of performance tests for the devices or assemblies listed in Table 82.21-1 shall be made available upon _____ to the department, its agent, or the local governmental unit.

- a. Submission
- b. Request
- c. Notification
- d. Application

53. The maintenance and performance testing requirements of this subsection shall also apply to those cross connection control devices or assemblies installed prior to the _____ date of this subsection.

- a. Effective
- b. Due
- c. Approved
- d. Reference

Comm 82.30: Sanitary drain systems

54. The provisions of this section set forth the requirements for the design and installation of sanitary drain systems, including building drains and _____ sewers.

- a. Building
- b. Storm
- c. Water
- d. Public

55. Drainage fixture unit values for intermittent flow fixtures not listed in Table 82.30-1 shall be computed on the basis of one fixture unit equaling _____ gallons per minute of flow.

- a. 6
- b. 7.5
- c. 6.5
- d. 7

56. Drainage fixture unit values for _____ flow devices such as pumps, ejectors, air conditioning equipment or similar devices shall be computed on the basis of one fixture unit for each 2 gallons per minute of flow rate of discharge into the drain system.

- a. Continuous
- b. Semicontinuous
- c. a or b
- d. None of the above

57. The drainage fixture unit values assigned to a receptor which is to receive only the indirect waste discharge from a relief valve on a domestic water heater may be disregarded when determining the _____ size of the building drain and building sewer.

- a. Suitable
- b. Correct
- c. Maximum
- d. Minimum

58. The minimum size of a gravity flow sanitary building sewer shall be _____ inches in diameter.

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

59. A municipality or sanitary district by ordinance may not require that portion of the building sewer between the lot line and the public sewer to be larger than 4 inches in diameter.

- a. True
- b. False

60. Sewers pressurized through the use of _____ shall be sized to maintain a minimum flow velocity of 2 feet per second and shall be in accordance with the ejector or pump manufacturer's recommendations.

- a. Sewage ejectors
- b. Sewage pumps
- c. Sewage grinder pumps
- d. All of the above

Plumbing Continuing Education Test 6 Answer Sheet

Circle or Mark the correct answer.

- | | | | | | | | | | |
|-----|---|---|---|---|-----|---|---|---|---|
| 1. | a | b | c | d | 47. | a | b | c | d |
| 2. | a | b | c | d | 48. | a | b | c | d |
| 3. | a | b | c | d | 49. | a | b | c | d |
| 4. | a | b | c | d | 50. | a | b | c | d |
| 5. | a | b | c | d | 51. | a | b | c | d |
| 6. | a | b | c | d | 52. | a | b | c | d |
| 7. | a | b | c | d | 53. | a | b | c | d |
| 8. | a | b | c | d | 54. | a | b | c | d |
| 9. | a | b | c | d | 55. | a | b | c | d |
| 10. | a | b | c | d | 56. | a | b | c | d |
| 11. | a | b | c | d | 57. | a | b | c | d |
| 12. | a | b | c | d | 58. | a | b | c | d |
| 13. | a | b | c | d | 59. | a | b | c | d |
| 14. | a | b | c | d | 60. | 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 | | | | | |

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: Yourwicontinuinged.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 Plumbing Continuing Education Test 6
Credited Hours 2 hrs
List the name of each credential held by attendee _____

Email address _____

To be completed by Brett or Kathy Ward yourwicontinuinged.com

Course Password _____ Course ID# 10129

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

Instructor Signature _____