

**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 5

### **Comm 81.01: Definitions**

1. \_\_\_\_\_ means a plumbing appliance, the function of which is unique to health care activities.

- a. Hand held shower
- b. Assisted living bath fixtures
- c. Health care plumbing appliance
- d. Healthcare accessible

2. \_\_\_\_\_ means a device designed to prevent the reverse flow of wastewater in a drain system.

- a. Access box
- b. Diverter valve
- c. Backwater valve
- d. Access sleeve

3. \_\_\_\_\_ means a water supply valve opened or closed by means of a float or similar device used to supply water to a tank.

- a. Ballcock
- b. Float
- c. Lever
- d. Liftarm

4. \_\_\_\_\_ means zones of soil saturation which include perched water tables, shallow regional groundwater tables or aquifers, or zones that are seasonally, periodically or permanently saturated.

- a. High hazard
- b. High groundwater elevation
- c. Low groundwater
- d. High groundwater

5. \_\_\_\_\_ means a manufactured device or prefabricated assembly of component parts which is an adjunct to a plumbing product or plumbing system.

- a. Accessory
- b. Appurtenance
- c. Fabricated
- d. Assembled

6. \_\_\_\_\_ means a receptor designed to collect storm waters from an open area.

- a. Floor drain
- b. Area drain
- c. Trench drain
- d. Grease interceptor

7. \_\_\_\_\_ means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank or plumbing fixture and the flood level rim or spill level of the receptacle.

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

8. \_\_\_\_\_ means a watertight receptacle for the collection and holding of wastewater.

- a. Holding tank
- b. Horizontal pipe
- c. Hose connection backflow preventer
- d. Hose connection vacuum breaker

9. Hot water means water at a temperature of 110 °F or more.

- a. True
- b. False

10. \_\_\_\_\_ means soil naturally formed or deposited in its present location or position and includes soil material that has been plowed using normal tillage implements and depositional material resulting from erosion or flooding.

- a. In situ soil
- b. Ex situ soil
- c. Soil mechanics
- d. Shrink-swell capacity

11. \_\_\_\_\_ means a part of a piping system other than a riser, main or stack.

- a. Fitting
- b. Valve
- c. Pipe cap
- d. Branch

12. \_\_\_\_\_ means the vertical distance along a drain stack measured from immediately below a branch drain connection to immediately below the first lower branch drain connection that is 8 feet or more below.

- a. Branch tailpiece
- b. Branch vent
- c. B. T. U
- d. Branch interval

13. \_\_\_\_\_ means a device designed and installed so as to separate and retain deleterious, hazardous or undesirable matter from wastes flowing through it.

- a. Interceptor
- b. Separator
- c. Neither a or b
- d. Both a and b

14. \_\_\_\_\_ means a combination relief valve designed to function as both a temperature relief and pressure relief valve.

- a. Temperature and pressure relief valve
- b. Low pressure valve
- c. Vacuum valve
- d. Temperature relief valve

15. \_\_\_\_\_ water means water ranging in temperature from 85 °F. to less than 110 °F.

- a. Hot
- b. Alkaline
- c. Tempered
- d. Tap

16. \_\_\_\_\_ means a product designed to support soil and create a cavity for the temporary storage of effluent and to provide an infiltrative surface for the distribution cell POWTS dispersal or treatment component.

- a. Septic tank
- b. Leaching chamber
- c. Drainfield
- d. Gravelless system

17. \_\_\_\_\_ means a device designed to intercept and retain oil, lubricating grease or other similar materials.

- a. Grease recovery device
- b. Grease trap
- c. Oil interceptor
- d. Grease guzzler

18. Design wastewater flow means 100% of the estimated wastewater flow generated by a dwelling, building or facility.

- a. True
- b. False

19. \_\_\_\_\_ means a type of POWTS treatment component, excluding a soil-based POWTS treatment component, that utilizes a chemical or photoelectric process to reduce the wastewater fecal coliform contaminant load.

- a. Ozonation
- b. Chlorination
- c. Disinfection unit
- d. Artificial UV radiation

20. \_\_\_\_\_ means the point on the bank or shore up to which the presence and action of surface water is so continuous as to leave a distinctive mark such as by erosion, destruction or prevention of terrestrial vegetation, predominance of aquatic vegetation, or other easily recognized characteristic.

- a. Ordinary high-water mark
- b. Hydrophytic
- c. Public trust domain
- d. Floodplain

**Comm 82.01: Scope.**

21. The provisions of this chapter apply \_\_\_\_\_ to the design, construction, installation, supervision, maintenance and inspection of plumbing, including but not limited to sanitary and storm drainage, water supplies, wastewater treatment, and dispersal or discharge for buildings, except for POWTS systems as regulated by ch. Comm 83.

- a. Specifically
- b. Exclusively
- c. Entirely
- d. Uniformly

**Comm 82.015: Purpose.**

22. Pursuant to s. 145.02, Stats., the purpose of this chapter is to provide that all plumbing in connection with buildings and facilities in the state, including buildings owned by the state or any political subdivision thereof, shall be safe, sanitary and such as to safeguard the public health and the \_\_\_\_\_ .

- a. Community
- b. Waters of the state
- c. Environment
- d. Infrastructure

23. Pursuant to s. 145.13, Stats., this chapter is uniform in application and a municipality may not enact an ordinance for the design, construction, installation, supervision, maintenance and inspection of plumbing which is more \_\_\_\_\_ than this chapter, except as specifically permitted by rule.

- a. Lenient
- b. Stringent
- c. Rigorous
- d. Thorough

**Comm 82.10: Basic plumbing principles.**

24. This chapter is founded upon basic principles of environmental \_\_\_\_\_ and safety through properly designed, installed and maintained plumbing systems.

- a. Sanitation
- b. Health
- c. Practices
- d. Standards

25. Some of the \_\_\_\_\_ of plumbing construction may vary, but the basic sanitary and safety principles desirable and necessary to protect the health of people are the same.

- a. Information
- b. Practices
- c. Details
- d. Standards

26. Plumbing in connection with all buildings, public and private, intended for human occupancy, shall be installed and maintained in such a manner so as to protect the \_\_\_\_\_ of the public or occupants and the waters of the state.

- a. Health
- b. Safety
- c. Welfare
- d. All of the above

27. Plumbing fixtures, appliances and appurtenances, whether existing or to be installed, shall be supplied with water in \_\_\_\_\_ volume and at pressures adequate to enable the fixtures, appliances and appurtenances to function properly and efficiently at all times and without undue noise under normal conditions of use.

- a. Sufficient
- b. Adequate
- c. Appropriate
- d. Satisfactory

28. Plumbing systems shall be designed and adjusted to use the \_\_\_\_\_ quantity of water consistent with proper performance and cleaning.

- a. Maximum
- b. Minimum
- c. Sufficient
- d. Approved

29. Devices for heating and storing water in pressure vessels or tanks shall be so designed and installed as to \_\_\_\_\_ dangers of explosion or overheating.

- a. Avoid
- b. Circumvent
- c. Avert
- d. Prevent

30. Drain systems shall be designed, constructed and maintained so as to conduct the wastewater or sewage \_\_\_\_\_ and shall have adequate cleanouts.

- a. Efficiently
- b. Effectively
- c. Appropriately
- d. Sufficiently

31. The drain systems shall be so designed as to provide an adequate circulation of air in all pipes and no \_\_\_\_\_ of siphonage, aspiration or forcing of trap seals under conditions of ordinary use.

- a. Danger
- b. Chance
- c. Threat
- d. Risk

32. A plumbing system shall be of durable material, free from defective workmanship, and designed and constructed so as to provide \_\_\_\_\_ service for its reasonable expected life.

- a. Acceptable
- b. Satisfactory
- c. Reasonable
- d. Adequate

33. Proper \_\_\_\_\_ shall be provided to prevent contamination of food, water, sterile goods and similar materials by backflow of wastewater.

- a. Prevention
- b. Means
- c. Measures
- d. Protection

34. All plumbing fixtures shall be installed so as to provide adequate spacing and accessibility for the intended use and \_\_\_\_\_.

- a. Cleaning
- b. Safety
- c. Function
- d. Capabilities

35. Every building intended for \_\_\_\_\_ shall be provided with an adequate, safe and potable water supply.

- a. Shelter
- b. Human occupancy
- c. Habitat
- d. None of the above

36. To fulfill the basic needs of sanitation and personal hygiene, each dwelling connected to a POWTS or public sewer shall be provided with at least the following plumbing fixtures:

- a. one water closet
- b. one wash basin and one kitchen sink
- c. one bathtub
- d. All of the above

37. Hot or tempered water shall be supplied to all plumbing fixtures that \_\_\_\_\_ require hot or tempered water for proper use and function.

- a. Usually
- b. Normally
- c. Generally
- d. Commonly

38. Where plumbing fixtures exist in a building that is connected to a public sewer system, suitable provision shall be made for treating, recycling, dispersing or holding the wastewater.

- a. True
- b. False

39. Plumbing fixtures shall be made of \_\_\_\_\_, smooth, non-absorbent and corrosion resistant material, and shall be free from concealed fouling surfaces.

- a. Impervious
- b. Approved
- c. Durable
- d. Seamless



**Comm 82.20: Plan review and cross connection**

40. When review is required, regardless of where the installation is to be located, written approval for the plans shall be obtained \_\_\_\_\_ installation of the work.

- a. Immediately after
- b. At the time of
- c. Prior to
- d. After

41. AGENT MUNICIPALITIES. The department may \_\_\_\_\_ to an approved municipality the authority to review and approve plumbing plans and specifications for those plumbing installations to be located within the municipality's boundary limits and which require approval under sub. (1) (b).

- a. Assign
- b. Delegate
- c. Entrust
- d. Designate

42. An agent municipality shall employ at least 2 \_\_\_\_\_ plumbing inspectors who have been qualified by the department.

- a. Full time
- b. Part-time
- c. Licensed
- d. Certified

43. The primary duties of the plumbing inspectors shall include plumbing \_\_\_\_\_.

- a. System review
- b. Distribution system review
- c. Plan review
- d. Disposal review

44. The plumbing inspectors shall be \_\_\_\_\_ licensed master or journeyman plumbers.

- a. Regionally
- b. Nationally
- c. State
- d. Wisconsin

45. An agent municipality may \_\_\_\_\_ its jurisdiction for plan review and approval for any project, in which case plans shall be submitted to the department for review and approval.

- a. Waive
- b. Enforce
- c. Surrender
- d. Implement

46. Agent municipalities may set by ordinance the fees for plan review services.

- a. True
- b. False

47. PRIORITY PLAN REVIEW. An appointment may be made with the department to facilitate the examination of plans in less than the normal processing time.

- a. True
- b. False

48. PLANS AND SPECIFICATIONS. At least \_\_\_\_\_ set (s) of plans and one copy of specifications which are clear, legible and permanent copies shall be submitted for examination and approval.

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

49. All plans submitted for approval shall be accompanied by sufficient data and information for the department to \_\_\_\_\_ if the installation and its performance will meet the requirements of chs. Comm 81 to 84.

- a. Determine
- b. Conclude
- c. Evaluate
- d. Assess

50. Information to accompany the plans shall include:

- a. The location or address of the installation
- b. The name of the owner
- c. The name of the contractor
- d. a and b

51. Plans proposing the installation, creation or extension of a private sanitary building sewer or a sanitary private interceptor main sewer which is to discharge to a municipal treatment facility shall not be approved, if the municipality is ineligible for sanitary sewer extension approvals under s. NR 110.05.

- a. True
- b. False

52. Plans proposing the installation of a building sewer for new construction which is to discharge to a municipal treatment facility shall not be required to comply with subd. 3., if:

- a. The proposed installation is served by an existing building sewer which extends from the lot line to the public sewer and the proposed installation does not exceed the capacity of the existing building sewer or sewers.
- b. The plans indicate that a drainage load of not more than 54 drainage fixture units will be discharged through the building sewer.
- c. a OR b
- d. a and b

53. When requesting approval of an experimental plumbing system, which of the following shall be submitted:

- a. At least 2 sets of plans signed in accordance with par. (d) and detailing the system installation for each site.
- b. A letter of consent from the site or system owner of the installation. The letter shall acknowledge that the owner has received and read a copy of the experimental plumbing system submittal and is in agreement with all requirements listed within this subdivision.
- c. Any additional information as requested by the department.
- d. All of the above

54. No later than five years after the date of the completed installation the department may perform one of the following:

- a. Order the removal of the experimental plumbing system.
- b. Issue an alternate approval as specified in sub. (12) (a).
- c. Provide an extension of the experiment with conditions.
- d. All of the above

55. The department may revoke any approval, issued under the provisions of this chapter, for any false statements or misrepresentation of facts on which the approval was based.

- a. True
- b. False

56. Plan approval by the department or its authorized representative shall expire \_\_\_\_\_ year(s) after the date indicated on the approval letter, if construction has not commenced within that \_\_\_\_\_ year period.

- a. one half
- b. one
- c. two
- d. three

57. Except for priority petitions, the department shall review and make a determination on a petition for variance within \_\_\_\_\_ business days of receipt of all calculations, documents and fees required to complete the review.

- a. 30
- b. 7
- c. 10
- d. 14

**Comm 82.21 Testing and maintenance**

58. Except as provided in par. (a), all new plumbing and all parts of existing systems which have been altered, extended or repaired shall be \_\_\_\_\_ as specified in par. (d) to disclose leaks and defects before the plumbing is put into operation.

- a. Tested
- b. Reviewed
- c. Evaluated
- d. Appraised

59. The testing of the plumbing shall not be required where the installation does not include the addition, replacement, alteration or relocation of any water distribution, drain or vent piping.

- a. True
- b. False

60. Where the plumbing is installed in a municipality having a \_\_\_\_\_, the testing of the plumbing shall be done in the presence of a plumbing inspector, except as provided in subd. 1.

- a. Home inspector
- b. Construction inspector
- c. Local inspector
- d. Public works inspector

**Plumbing Continuing Education Test 5 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 |     |   |   |   |   |

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Name and Credential Number

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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: Yourwicontinued.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 5

Credited Hours 2 hrs

List the name of each credential held by attendee \_\_\_\_\_

\_\_\_\_\_

Email address \_\_\_\_\_

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To be completed by Brett or Kathy Ward      yourwicontinued.com

Course Password \_\_\_\_\_ Course ID# 10128

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

Instructor Signature \_\_\_\_\_