

Chapter 01 - Plumbing History, Codes, and Principles

1. Soft skills are an important part of working in a team.

- a. True
- b. False

ANSWER: True

2. Medical gas and medical vacuum systems fall under the definition of “plumbing” as defined by the National Standard Plumbing Code.

- a. True
- b. False

ANSWER: False

3. Installing specialty fixtures such as a grease trap is outside the scope of work for a plumber.

- a. True
- b. False

ANSWER: False

4. According to the basic principles of plumbing, hot water is required.

- a. True
- b. False

ANSWER: True

5. Fixture traps are designed to have a rubber seal to prevent air from entering the house.

- a. True
- b. False

ANSWER: False

6. The piping between the boiler and the fan coil units are included in the definition of plumbing.

- a. True
- b. False

ANSWER: False

7. Plumbing is

- a. piping used for the installation, alteration, repair, or removal of automatic sprinkler systems installed for fire protection only
- b. piping used for the incorporation of liquids or gases for any product or process in the manufacturing industry
- c. the practice, materials, and fixtures within or adjacent to any building structure or conveyance, used in the installation, maintenance, extension, alteration, and removal of any piping, plumbing fixtures, plumbing appliances, and plumbing appurtenances
- d. the initial connection to a potable water supply upstream of any required backflow prevention devices and the final connection that discharges indirectly into a public or private disposal system

ANSWER: c

8. All of the following are included in the definition of plumbing except:

- a. Storm water drainage facilities
- b. All piping, equipment, or material used exclusively for environmental control

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- c. Medical gas and medical vacuum systems
- d. Indirect waste piping including refrigeration and air conditioning drainage

ANSWER:

b

9. What civilization had the most extensive plumbing system available in civilization up to that time?

- a. Roman Empire
- b. Ancient Greeks
- c. Ottoman Empire
- d. Ancient Babylonians

ANSWER:

a

10. The Latin word “plumbum” means:

- a. Plumbing
- b. Plumber
- c. Worker
- d. Lead

ANSWER:

d

11. What is frequently cited as the cause of disease epidemics of the Middle Ages?

- a. Mass urbanization
- b. Lack of plumbing systems
- c. Agricultural run-off
- d. Crowding due to population growth

ANSWER:

b

12. Plumbing systems began to be developed in the United States in the:

- a. 1850s
- b. 1860s
- c. 1870s
- d. 1880s

ANSWER:

a

13. Potable water is:

- a. Water for cooking purposes only
- b. Water collected in cisterns for waste use
- c. Water generally free from impurities and safe to consume by the public
- d. Recycled water or gray water

ANSWER:

c

14. Which of the following is NOT true about water?

- a. It is essential to all life.
- b. When water is present, some sort of plant or animal life will appear unless precautions are taken to prevent it.
- c. We are still learning how to recognize and prevent circumstances that permit impurities to enter water

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supplies.

d. Since water is so abundant, there is rarely any water-supported life forms within it that can harm humans.

ANSWER:

d

15. A connection or arrangement that may permit potable water and waste to flow from one system to the other is called a _____.

- a. cross connection
- b. potable water supply
- c. solvent
- d. physical failure

ANSWER:

a

16. A minimum set of requirements for plumbing installations in a municipality, city, county, or state is a(n) _____.

- a. plumbing license
- b. permit
- c. code
- d. inspection

ANSWER:

c

17. A document allowing a licensed plumber to perform plumbing work according to a plan at a specific location is called a(n) _____.

- a. license
- b. permit
- c. inspection
- d. code

ANSWER:

b

18. On-the-job abilities that go beyond the employee's job description are defined as:

- a. Hard skills
- b. Soft skills
- c. Ethics
- d. Expectations

ANSWER:

b

19. Which of the following is NOT considered a good work ethic?

- a. Customer complaints are the boss's problem.
- b. If the job starts at 8am, be there at 7:45am.
- c. If you have time to lean, you have time to clean.
- d. Don't skip steps, do the job right.

ANSWER:

a

20. A(n) _____ would be considered a job in the plumbing field.

- a. architect

Name _____ Class _____ Date _____
: _____ : _____ e: _____

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- b. journeyman
- c. inspector
- d. designer

ANSWER:

b

21. Most plumbing codes are updated every _____ years.

- a. 3
- b. 10
- c. 5
- d. 2

ANSWER:

a

22. A customer approaches you on the jobsite with a complaint that is beyond your abilities to fix. What should you do?

ANSWER: Listen to the customer and get as much information as possible. Then, let them know that even though this is above your authority to act on, you will pass this information along to your supervisor.

23. Why would a fire sprinkler system be excluded from normal plumbing work?

ANSWER: Fire sprinklers are very complex systems that interact with police and fire systems and require special training.