

# UPC Chapters 2-6 Code Questions

RV 11.05.2021

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### **Quiz 1**

1. An air break is \_\_\_\_\_.
  - a device used to stop the motion of a pipe threading machine
  - a device used to stop the motion of a 1-ton or larger service vehicle
  - a break in the line for a DVW system
  - a physical separation which may be a low inlet into the indirect waste receptor from the fixture, appliance, or device indirectly connected
2. The correct reference for the previous question is:
  - 201.0
  - 202.0
  - 203.0
  - 204.0
3. An area drain \_\_\_\_\_.
  - is a minimum of 2" ID
  - must be made of ABS
  - must be made of galvanized steel and be recessed 1/4" below grade
  - is a receptor designed to collect surface or storm water from an open area
4. The correct reference for the previous question is:
  - 201.0
  - 202.0
  - 203.0
  - 204.0

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5. An aspirator is \_\_\_\_\_.
- the handheld faucet on a flexible supply line, located on the basin of a sink
  - a device on the outlet of a water faucet to entrain air into potable water
  - a device supplied with water under positive pressure which passes through an integral orifice causing a vacuum
  - a positive displacement pump apparatus whose single purpose is to inject chemicals for swimming pools
6. The correct reference for the previous question is:
- 201.0
  - 202.0
  - 203.0
  - 204.0
7. Backflow means \_\_\_\_\_.
- water running “uphill”
  - the flow of water into the distributing pipes of a potable supply of water from any source other than its intended source
  - sewer water backing up into a basement during high runoff conditions
  - hot water from a water tank heating up cold water lines
8. The correct reference for the previous question is:
- 201.0
  - 202.0
  - 203.0
  - 204.0
9. A battery of fixtures is \_\_\_\_\_.
- any group of two (2) or more similar, adjacent fixtures which discharge into a common horizontal waste or soil branch
  - any group of three (3) or more similar, adjacent fixtures which discharge into a common horizontal waste or soil branch
  - any group of four (4) or more similar, adjacent fixtures which discharge into a common horizontal waste or soil branch
  - any group of five (5) or more similar, adjacent fixtures which discharge into a common horizontal waste or soil branch
10. The correct reference for the previous question is:
- 201.0
  - 202.0
  - 203.0
  - 204.0
11. What is clear water waste?
- waste water from a drinking fountain
  - sewer water that is clear in color
  - condensate from a boiler
  - hot water rinse water from a commercial dishwasher
  - all of the answers provided
12. The correct reference for the previous question is:
- 201.0
  - 202.0
  - 203.0
  - 204.0
  - 205.0
13. What is a conductor?
- a pipe on the outside of a building which conveys storm water from the roof to a storm water drain
  - a pipe on the inside of a building which conveys storm water from the roof to a stormwater drain
  - a pipe on the inside of a building which conveys waste water from the roof to a storm water drain
  - a pipe on the outside of a building which conveys waste water from the roof to a storm water drain
  - a pipe on the inside of a building which conveys waste water from the roof to a waste water drain
14. The correct reference for the previous question is:
- 201.0
  - 202.0
  - 203.0
  - 204.0
  - 205.0
15. A durham system is \_\_\_\_\_.
- a design method for rainwater drains from buildings
  - a waste system which uses threaded piping with recessed fittings
  - a method of heat recovery for boiler blowdown
  - not allowed by current code practice
16. The correct reference for the previous question is:
- 202.0
  - 206.0
  - 204.0
  - 205.0
  - 203.0

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17. An effective opening could best be described as

- \_\_\_\_\_.
- the minimum cross-sectional diameter of a circle of the water discharge
- the average cross-sectional diameter of a circle of the water discharge
- the maximum cross-sectional diameter of a circle of the water discharge
- 1.5 times the minimum cross-sectional diameter of a circle of the water discharge

18. The correct reference for the previous question is:

- 207.0
- 209.1
- 207.1
- 205.3

19. Flammable vapor or fumes \_\_\_\_\_.

- occur when the flammable constituents in air exceed 10% of the LFL
- occur when the flammable constituents in air exceed 10% of the UFL
- occur when the flammable constituents in air exceed 25% of the LFL
- occur when the flammable constituents in air are equal to 100% of the LFL

20. The correct reference for the previous question is:

- 207.0
- 209.1
- 208.0
- 205.3

21. A grade is \_\_\_\_\_.

- the slope of a pipe in reference to a horizontal line
- the fall of a pipe in reference to a horizontal line
- measured in a fraction of an inch per foot
- measured in a percentage of slope per foot
- all of the answers provided

22. The correct reference for the previous question is:

- 207.0
- 209.0
- 208.0
- 205.3
- 215.0

## Quiz 2

1. A horizontal pipe must be installed at an angle less than \_\_\_\_\_ degrees from the horizontal.

- 12-1/2
- 22-1/2
- 33-1/3
- 45
- 66-2/3

2. The correct reference for the previous question is:

- 210.0
- 209.0
- 208.0
- 205.3
- 215.0

3. An individual vent is installed to vent a fixture trap and \_\_\_\_\_.

- connects to the vent system above the fixture served or terminates in the open air
- connects to the vent system below the fixture served or terminates in the open air
- connects to the vent system at the same level of the fixture served or terminates in the open air
- all of the answers provided

4. The correct reference for the previous question is:

- 210.0
- 209.0
- 208.0
- 205.3
- 211.0

5. Which one of the following conditions does the term "insanitary" NOT apply to?

- A trap that does not maintain its seal
- An opening in a drainage system that is not provided with an approved liquid-sealed trap
- A plumbing fixture that is not supplied with water sufficient to flush and maintain the fixture
- A defective fixture
- None of the answers provided; all are insanitary conditions

6. The correct reference for the previous question is:

- 207.0
- 209.1
- 211.0
- 205.3

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7. Invert means \_\_\_\_\_.
- the highest portion of the outside of a horizontal pipe
  - the lowest portion of the outside of a horizontal pipe
  - the average mean distance of the outside of a horizontal pipe
  - the lowest portion of the inside of a horizontal pipe
  - none of the answers provided
8. The correct reference for the previous question is:
- 207.0
  - 209.1
  - 211.0
  - 205.3
9. In plumbing terms, a leader means \_\_\_\_\_.
- the end of a sewer snake that is used to break up clogs in waste lines
  - the main waste vent that fixture side vents connect to
  - the water supply line that enters the building
  - the drain pipe for conveying storm water from a roof
  - none of the answers provided
10. The correct reference for the previous question is:
- 214.0
  - 209.1
  - 211.0
  - 205.3
11. A macerating toilet system \_\_\_\_\_.
- is not connected to the toilet
  - is separate from other plumbing fixtures
  - grinds and pumps the waste
  - all of the answers provided
  - none of the answers provided
12. The correct reference for the previous question is:
- 214.0
  - 209.1
  - 211.0
  - 215.0
13. An offset is \_\_\_\_\_.
- a pipe that is at 45 degrees from another pipe
  - a pipe that is at 90 degrees from another pipe
  - a pipe that is out of line but parallel with another pipe
  - a pipe that is out of line and not parallel with another pipe
  - none of the answers provided
14. The correct reference for the previous question is:
- 217.0
  - 209.1
  - 211.0
  - 215.0
15. PEX is \_\_\_\_\_.
- cross-linked polyethylene
  - plastic external usage
  - polyvinyl cross-linked material
  - poly-propylene cross-linked material
  - none of the answers provided
16. The correct reference for the previous question is:
- 216.0
  - 218.0
  - 211.0
  - 215.0
17. A riser is \_\_\_\_\_.
- a water supply pipe which extends vertically one (1) full story or more to convey water to branches or fixtures
  - a vent system which extends vertically one (1) full story or more for venting of the waste system
  - a waste system conductor which is located vertically one (1) full story or more above the main waste conductor
  - all of the answers provided
  - none of the answers provided
18. The correct reference for the previous question is:
- 216.0
  - 220.0
  - 211.0
  - 215.0
  - 205.0
19. A sump is \_\_\_\_\_.
- an approved tank which receives liquid waste, is located above the normal grade, and must be emptied by mechanical means
  - an approved tank which receives liquid waste, is located below the normal grade, and must be emptied by mechanical means
  - any tank which receives liquid waste, is located below the normal grade, and must be emptied by mechanical means
  - an approved tank which receives liquid waste, is located below the normal grade, and must not be emptied by mechanical means
  - none of the answers provided
20. The correct reference for the previous question is:
- 216.0
  - 220.0
  - 221.0
  - 215.0
  - 205.0

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21. A trap primer is \_\_\_\_\_.
- the solvent used to clean ABS pipe before final gluing
  - the solvent used on PEX prior to assembly to a trap
  - the solvent used to clean CPCV prior to final gluing as a trap
  - a device and system of piping that maintains a water seal in a remote trap
  - none of the answers provided

22. The correct reference for the previous question is:

- 216.0
- 220.0
- 221.0
- 215.0
- 222.0

23. A vertical pipe is \_\_\_\_\_.

- a pipe that is not more than 90 degrees from a vertical position
- a pipe that is not more than 66-2/3 degrees from a vertical position
- a pipe that is not more than 60 degrees from a vertical position
- a pipe that is not more than 45 degrees from a vertical position
- a pipe that is only in a vertical position

24. The correct reference for the previous question is:

- 224.0
- 220.0
- 211.0
- 215.0
- 205.0

25. A waste pipe conveys \_\_\_\_\_.

- only liquid waste
- liquid waste that may contain fecal matter
- only liquid waste containing fecal matter
- waste from a macerating toilet system
- stormwater and building sewer waste

26. The correct reference for the previous question is:

- 224.0
- 220.0
- 211.0
- 215.0
- 225.0

## Quiz 3

1. During installation, a waste line is discovered to have a small crack. What action should the plumber take?
  - remove the bad section and replace with a new one
  - seal the minor crack with epoxy
  - braze crack shut
  - weld crack shut
  - do nothing until the crack starts to leak
2. The correct reference for the previous question is:
  - 302.1
  - 301.2
  - 301.2.1
  - 301.8
3. What is the minimum size that a cast iron pipe is allowed to be threaded?
  - 2 inches
  - 3 inches
  - 4 inches
  - 6 inches
  - none, the code does not allow threading
4. The correct reference for the previous question is:
  - 310.1
  - 310.2
  - 311.2
  - 311.8
  - not referenced
5. A building sewer line that's constructed of materials not for use under a building, must be installed at least \_\_\_\_\_ from the building.
  - 1/2 foot
  - 1 foot
  - 16 inches
  - 24 inches
  - no minimum distance
6. The correct reference for the previous question is:
  - 312.1
  - 312.2
  - 312.3
  - 312.4
  - 312.5
7. Protectively coated pipe or tubing shall be \_\_\_\_\_ and \_\_\_\_\_. Visible voids, damage, or imperfections to the pipe shall be repaired in an approved manner.
  - tested and soldered
  - inspected and tested
  - waterproofed and tested

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8. The correct reference for the previous question is:
- 312.1
  - 312.2
  - 312.3
  - 312.5
  - 312.7
9. What shall be required to be of sufficient strength to support the weight of the pipe and its contents?
- hangers
  - anchors
  - both of the answers provided
  - none of the answers provided
10. The correct reference for the previous question is:
- 313.1
  - 313.2
  - 313.3
  - 313.4
11. The minimum distance between hanger supports when hanging 1" steel thread pipe for gas, shall be \_\_\_\_\_.
- 4 feet
  - 8 feet
  - 10 feet
  - 12 feet
  - 16 feet
12. The correct reference for the previous question is:
- Table 213.1
  - Table 313.3
  - Table 413.1
  - Table 513.1
13. All piping shall be supported in such a manner as to maintain its alignment and prevent sagging.
- Yes
  - No
14. The correct reference for the previous question is:
- 313.1
  - 313.2
  - 313.3
  - 313.4
15. The minimum size of a hanger rod supporting 10" pipe is \_\_\_\_\_.
- 3/8 inch
  - 1/2 inch
  - 5/8 inch
  - any of the answers provided
  - none of the answers provided
16. The correct reference for the previous question is:
- Table 213.6
  - Table 313.6
  - Table 413.6
  - Table 513.6
17. The minimum size of a hanger rod supporting 6" pipe is \_\_\_\_\_.
- 3/8 inch
  - 1/2 inch
  - 5/8 inch
  - any of the answers provided
  - none of the answers provided
18. The correct reference for the previous question is:
- Table 213.6
  - Table 313.6
  - Table 413.6
  - Table 513.6
19. When can a restaurant's employees place food and drinks in a storage area which has soil or drain pipes located overhead?
- never
  - when the drain pipes have the least number of possible joints
  - when drains are equipped with integral seepage pans
  - piping is tested to 25 feet of water
  - all of the answers provided
20. The correct reference for the previous question is:
- 316.1
  - 317.1
  - 318.0
  - 319.4
21. A medical gas piping system shall be in accordance with the requirements of which UPC Code chapter?
- Chapter 7
  - Chapter 10
  - Chapter 11
  - Chapter 13
22. The correct reference for the previous question is:
- 318.0
  - 318.1
  - 319.0
  - 319.1

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## Quiz 4

1. A fixture having a concealed slip joint connection shall be provided with an access panel no less than \_\_\_\_\_ in its smallest dimension.
  - 1 inch
  - 6 inches
  - 12 inches
  - 18 inches
2. The correct reference for the previous question is:
  - 402.10
  - 402.11
  - 402.12
  - 402.13
3. The overflow pipe from a fixture shall be connected on the house or inlet side of the fixture trap.
  - True
  - False
4. The correct reference for the previous question is:
  - 402.
  - 403.
  - 404.
  - 405.
5. \_\_\_\_\_ urinals and urinals with an \_\_\_\_\_ seal shall be prohibited.
  - Private - invisible
  - Public - visible
  - Trough - invisible
  - none of the answers provided
6. The correct reference for the previous question is:
  - 405.1
  - 405.2
  - 405.3
  - 405.4
7. Sheet metal restaurant sinks shall be a minimum thickness of \_\_\_\_\_.
  - 12 U.S. gauge
  - 14 U.S. gauge
  - 16 U.S. gauge
  - 20 U.S. gauge
  - 24 U.S. gauge
8. The correct reference for the previous question is:
  - 406.1
  - 406.2
  - 406.3
  - 406.4
9. A shower is to have a minimum interior area of at least \_\_\_\_\_ sq. inches.
  - 800
  - 1200
  - 1444
  - 1556
  - none of the answers provided
10. The correct reference for the previous question is:
  - 408.6
  - 409.5
  - 410.6
  - 411.7
11. The location of the shower valves and heads shall be on the sidewall or otherwise arranged so that the showerhead \_\_\_\_\_.
  - can be adjusted prior to stepping into the shower spray
  - does not discharge at the entrance to the compartment
  - both of the answers provided
  - neither of the answers provided
12. The correct reference for the previous question is:
  - 408.9
  - 409.5
  - 410.6
  - 411.10
13. The maximum temperature of hot water discharging into the bathtub filler shall be \_\_\_\_\_.
  - 110°F
  - 115°F
  - 120°F
  - 125°F
  - 140°F
14. The correct reference for the previous question is:
  - 409.2
  - 409.3
  - 409.4
  - 409.5
15. Whirlpool pump access located in the crawl space shall be located no more than \_\_\_\_\_ from an access trap door.
  - 5 feet
  - 10 feet
  - 15 feet
  - 20 feet
  - 25 feet

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16. The correct reference for the previous question is:

- 409.3
- 409.4
- 409.5
- 409.6

17. When accessing the circulation pump trap, where is it going to be located?

- below the crown weir
- above the crown weir
- next to the crown weir
- it is located in a different room

18. The correct reference for the previous question is:

- 409.3
- 409.4
- 409.5
- 409.6

19. The water supply to the bidet shall be protected by \_\_\_\_\_.

- an air flow
- an air gap
- a flushometer
- a water valve

20. The correct reference for the previous question is:

- 410.0
- 410.1
- 410.2
- 410.3

21. When installing a sink that has two handles to control the water flow, what side shall control the cold water (when facing the sink)?

- right
- left
- either side, it does not matter
- not addressed in the code

22. The correct reference for the previous question is:

- 413.1
- 414.2
- 417.5
- 420.2

23. In a public restroom that has 1 water closet and 1 urinal, a floor drain must be installed.

- True
- False

24. The correct reference for the previous question is:

- 408.0
- 411.5
- 416.6
- 418.3

25. A dishwasher drain may be connected to the discharge side of a food waste disposal unit.

- True
- False

26. The correct reference for the previous question is:

- 417.3
- 419.1
- 419.2
- 419.3

## Quiz 5

1. It shall be unlawful for a person to install, remove, or replace, or cause to be installed, removed, or replaced a water heater without first obtaining a permit from the Authority Having Jurisdiction.

- True
- False

2. The correct reference for the previous question is:

- Table 502.1
- Table 502.2
- Table 502.3
- Table 502.4

3. After a water heater has been installed, no parts shall be covered or concealed until the same has been inspected and approved by the \_\_\_\_\_.

- building inspector
- owner
- plumbing company owner
- Authority Having Jurisdiction

4. The correct reference for the previous question is:

- Table 503.0
- Table 503.2
- Table 503.4
- Table 503.6

5. A fuel-burning water heater installed in a closet of a bedroom or bathroom is not allowed unless \_\_\_\_\_.

- A. it is a direct vent type
- B. the door assembly is gasketed
- C. the closet door has a self-closing device
- D. the closet door has a bolting lock
- E. both B and C

6. The correct reference for the previous question is:

- 504.1
- 504.2
- 504.3
- 504.4



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7. Listed water heaters shall be installed in accordance with their listings and the manufacturer's installation instructions.
- True
  - False
8. The correct reference for the previous question is:
- 504.1.1
  - 504.3.1
  - 504.5.1
  - 504.7.1
9. A shutoff valve may be placed between the water tank and pressure relief valve.
- True
  - False
10. The correct reference for the previous question is:
- 504.1
  - 504.3
  - 504.4
  - 504.6
11. A shutoff valve may be placed between the pressure relief valve and discharge piping to atmosphere.
- True
  - False
12. The correct reference for the previous question is:
- 504.1
  - 504.3
  - 504.4
  - 504.6
13. In seismic design, a water heater must be strapped to resist horizontal displacement. Where shall strapping be located?
- Upper and lower quarter of the water heater vertical dimensions and 4 inches above controls
  - Upper and lower quarter of the water heater vertical dimensions and 12 inches above controls
  - Upper and lower third of the water heater vertical dimensions and 4 inches above controls
  - Upper and lower third of the water heater vertical dimensions and 12 inches above controls
14. The correct reference for the previous question is:
- 507.1
  - 507.2
  - 507.3
  - 507.4
15. A water heater installed in an attic shall have a watertight pan of corrosion-resistant material located underneath it with a minimum size drain line of \_\_\_\_\_.
- 1/2 inch
  - 3/4 inch
  - 1 inch
  - 1-1/2 inches
  - This is not addressed in the code since water heaters are not allowed in attics.
16. The correct reference for the previous question is:
- 507.1
  - 507.2
  - 507.3
  - 507.4
  - 507.5
17. When is a non-direct-vent water heater allowed in a facility that routinely uses flammable aerosol sprays?
- Never – no exceptions
  - Always – no restrictions
  - when the tank is 40 gallons or less
  - when the tank has a flame guard burner
  - none of the answers provided
18. The correct reference for the previous question is:
- 507.10
  - 507.2
  - 507.3
  - 507.4
  - 507.5
19. When installing a gas water heater in a garage, the tank must be at least \_\_\_\_\_ above the floor unless \_\_\_\_\_.
- 16 inches – no exceptions
  - 18 inches – no exceptions
  - 16 inches – listed as flammable vapor ignition resistant
  - 18 inches – listed as flammable vapor ignition resistant
  - 24 inches – listed as flammable vapor ignition resistant
20. The correct reference for the previous question is:
- 507.11
  - 507.12
  - 507.13
  - 507.14
  - 507.20

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## Quiz 6

1. Water closets and urinals shall be flushed by means of an approved \_\_\_\_\_.
  - flush tank
  - flushometer valve
  - either of the answers provided
  - neither of the answers provided
2. The correct reference for the previous question is:
  - 601.2
  - 602.1
  - 603.3
  - 604.5
3. Potable water systems shall be marked with \_\_\_\_\_.
  - a green background and white lettering
  - a yellow background and black lettering
  - a purple background and black lettering
  - an orange background and white lettering
  - a light blue background and black lettering
4. The correct reference for the previous question is:
  - 600.0
  - 601.2.1
  - 601.3.1
  - 602.4.1
5. Nonpotable water systems shall be marked with \_\_\_\_\_.
  - a green background and white lettering
  - a yellow background and black lettering
  - a purple background and black lettering
  - an orange background and white lettering
  - a light blue background and black lettering
6. The correct reference for the previous question is:
  - 600.0
  - 601.2.1
  - 601.3.2
  - 602.4.1
7. Reclaimed water systems shall be marked with \_\_\_\_\_.
  - a green background and white lettering
  - a yellow background and black lettering
  - a purple background and black lettering
  - an orange background and white lettering
  - a light blue background and black lettering
8. The correct reference for the previous question is:
  - 600.0
  - 601.2.2
  - 601.3.3
  - 602.4.2
9. The minimum size air gap for a water distribution system with an effective opening not greater than 1 inch in diameter, when affected by sidewalls, is \_\_\_\_\_.
  - 1 inch
  - 1-1/2 inches
  - 2 inches
  - 2-1/4 inches
  - 3 inches
10. The correct reference for the previous question is:
  - Table 601.2.2
  - Table 603.2
  - Table 603.3.1
  - Table 604.1
11. Water supply inlets to sumps shall be protected by an air gap.
  - True
  - False
12. The correct reference for the previous question is:
  - 603.5.3
  - 603.5.4
  - 603.5.5
  - 603.5.6
13. A heat exchanger on a solar water heater using glycol shall be \_\_\_\_\_.
  - single-walled
  - double-walled
  - triple-walled
  - not addressed in the code
14. The correct reference for the previous question is:
  - 603.1
  - 603.2
  - 603.3
  - 603.5.4
15. The minimum weight of copper tubing for water lines below ground is \_\_\_\_\_.
  - Type K
  - Type L
  - Type M
  - Schedule 40
  - Schedule 80
16. The correct reference for the previous question is:
  - 603.1
  - 604.2
  - 604.3
  - 604.6

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17. A control valve shall be installed immediately ahead of each water-supplied appliance.
- True
  - False
18. The correct reference for the previous question is:
- 603.1
  - 604.2
  - 604.3
  - 606.5
19. A pressure regulator shall be installed where local static water pressure is above \_\_\_\_\_ .
- 50 psi
  - 60 psi
  - 70 psi
  - 80 psi
  - 100 psi
20. The correct reference for the previous question is:
- 608.1
  - 608.2
  - 608.3
  - 608.4
  - 608.7
21. Pressure relief valves shall not be set above \_\_\_\_\_ .
- 150 psi
  - 160 psi
  - 170 psi
  - 180 psi
  - 200 psi
22. The correct reference for the previous question is:
- 608.1
  - 608.2
  - 608.3
  - 608.4
  - 608.7
23. A water pipe may be laid in the same trench with a clay sewer line if \_\_\_\_\_ .
- the water pipe is 1" galvanized steel
  - the clay sewer line is 3" in diameter
  - the water pipe is at least 12" above the top of the sewer line and placed on a solid shelf excavated 12" horizontally from the sewer line
  - no special precautions are needed
  - never allowed
24. The correct reference for the previous question is:
- 608.2
  - 609.2
  - 609.6
  - 609.10
25. Unions should be installed in the water supply piping within \_\_\_\_\_ of equipment which may require removal or replacement.
- 6 inches
  - 12 inches
  - 16 inches
  - 24 inches
  - 36 inches
26. The correct reference for the previous question is:
- 608.2
  - 609.5
  - 609.6
  - 609.10
27. Which one of the following is NOT used in sizing water supply systems?
- The number of equivalent fixture units
  - The maximum pressure available
  - The difference in elevation between the meter and the highest outlet
  - The length of supply pipe from the meter to the most remote outlet
28. The correct reference for the previous question is:
- 610.2
  - 610.5
  - 610.7
  - 610.8
  - 610.12