

A NON- Illustrated Course

1. **Download Quizzes** – Open – Print

2. **Download and Print** provided code material.

3. **Study code material**, circle correct answers on the printed quizzes.

4. **Login** to your account using your ID and password.

5. **Status** page for your account appears. **Click on link : “Click here to start this course.”**



6. Click on the course pages to advance to the first quiz.

7. Refer to your printed quizzes to find the correct answers to each of the on-line quiz questions.

You will notice that the questions are exactly the same as your printed ones.



This is just like an open book test.

Quiz 1

Question 1: A branch can be in any part of the plumbing system except:
the main
the riser
the stack
any of the above

Question 2: Boiler Blow-off is:
a device used reduce pressure in the high pressure side of a system.
a device used to discharge sediment from a boiler.
cannot exceed 2x working pressure.
cannot exceed 2x working pressure.

Question 3: The point when liquid fills the top of a fixture:
flooded
flood level
flood level rim
A and B are both correct

Question 4: A water heater is:
a plumbing appliance
a heating system
a plumbing fixture
a plumbing appurtenance

Question 5: The device on a rooftop that removes water is called a:
leader

roof drain
downspout
conductor

Question 6: The measured distance along the center of a pipe and the fittings of the water closet trap arm to the closet flange is:
the developed distance
the measured length
the measured distance
the developed length

Question 7: A slip joint consists of:
a compression washer
a compression nut
a friction ring
all of the above

Question 8: What is the name of a device that equalizes hot and cold water flow to prevent temperature fluctuations?
metering valve
tub shower valve
temperature pressure relief valve
pressure balancing valve

Question 9: A grease interceptor that reduces non-petroleum fats, oils and grease in effluent by separation, and mass and volume reduction is a:
Separation Interceptor
NPF Disposal System

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- Effluent Separation Interceptor
FOG Disposal System
- Question 10: A rigid threaded DWV piping system is called a:
Durham system
primitive plumbing system
cast iron system
galvanized system
- Question 11: A connection that is installed connecting the venting and the drainage system is called a:
yoke vent
vent cross over
safety measure
none of the above
- Question 12: A "remote outlet" refers to:
the point where the water can be drained from the water system to prevent freezing.
the furthest fixture.
the furthest point from the cold or hot water from its point of source.
the most remote accessible clean out.
- Question 13: An effective opening is:
the minimum cross-sectional area at the point of water supply discharge measured in terms of a circle.
the minimum cross-sectional area at the point of water supply discharge measured in terms of a circular equivalent to the cross sectional area.
both of the above.
neither of the above.
- Question 14: An excess flow valve is:
A valve designed to open when the fuel gas passing through exceeds a prescribed flow rate.
A valve designed to close when the fuel gas passing through exceeds a prescribed flow rate.
A valve designed to close when the fuel gas passing through dips below a prescribed flow rate.
A valve designed to open when the fuel gas passing through dips below a prescribed flow rate.
- Question 15: "Shall" by code definition means:
required recommended optional all of
the above
- Question 16: Clear water waste is:
waste cooling water
condensate from refrigeration systems
condensate from air conditioning systems
condensate from steam heating systems
all of the above
- Question 17: PEX is:
Cross-Linked Polyethylene
Permanent Expanded Xylene
Professional Exam Cross Check
Plumbing Exam
none of the above
- Question 18: What is ABS?
Acrylonitrile-Butadiene
Associated Building Services
Aluminum Bracket Support
Absolute Burst Strength
- Question 19: A device that treats water is known as a:
water conditioning device
water treating device
water treating device
both A and B are correct
- Question 20: An area drain is:
a roof drain
a sump
a catch basin
all of the above
the above none of the above
- Question 21: The business, trade, or working having to do with the installation, removal, alteration or repair of plumbing systems describes_____.
plumbing
electricians
hvac
DIY
all of the above
- Question 22: A water hammer arrester is:
a mechanical device used to absorb shock from the water system
a device to buffer hard water surges
an air chamber
all of the above
- Question 23: A cesspool
holds solids
is a lined excavation
permits liquids to seep through the bottom and sides
all of the above
none of the above
- Question 24: A shielded coupling is used for:
connection of Durham pipe
connecting a fixture supply to an angle stop
connection of drain lines and fittings
connecting water lines together within the structure
- Question 25: A grease interceptor that automatically, mechanically removes non-petroleum fats oils and grease from the interceptor, the control of which are either automatic or manually initiated is a:
Grease Removal Device
Mechanical Grease Remover
Automatic Grease Removal Device
FOG Removal Device
- Quiz 2**
- Question 1: A bathroom in a private office in a public building that the public does not have access to is
a. public
b. private
c. private use
d. both b and c are correct
- Question 2: A control valve is installed in a new installation. It is required to be accessible. Accessible means that it will be:
accessed directly with out any obstructions
accessed by cutting access into a wall
accessed by removing a fixture or appliance
none of the above
- Question 3: A backwater valve is usually found in the following installation:
a. the potable water system
b. the building sewer system
c. the building drain system
d. both b and c are correct
- Question 4: A gravity grease interceptor is identified by all of the following features EXCEPT:
30-minute retention time
Baffle(s)
A minimum of three compartments
A minimum total volume of 300
- Question 5: Which item is NOT a plumbing fixture?
a clinic sink
an industrial safety shower

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a kitchen sink
industrial tanks or vats

Question 6: The following are part of a trap except:
top dips
seal
crown weir
the bend

Question 7: Hot water is defined as water greater than or equal to:
120 °F
130 °F
140 °F
150 °F

Question 8: All liquid or water-borne waste from a commercial or industrial drainage system is called:
sewage
waste
industrial waste
commercial waste

Question 9: A connection with a potable water system that could cause it to be unsafe is called a:
cross condition
cross-connection
effective opening
critical-connection

Question 10: A water closet that is installed so that it does not touch the floor is:
side wall hung
back hung
well hung
wall hung

Question 11: The system of potable water starting at the water meter at a structure, including all valves, pipes, fittings and appurtenances is known as:
potable water system
water supply system
water distributing pipe
structure water system

Question 12: Which of the following may give approval for a plumber to cover their installation?
the general contractor
the home owner
only the AHJ
all of the above are acceptable sources
none, the plumber may cover when he is finished

Question 13: Flammable fumes is the concentration of flammable constituents in the air that exceeds ____ percent of its lower flammability limit.
25
50
75
100

Question 14: What is the term for the remaining pressure in a pipe after all losses are accounted for?
residual pressure
calibrated pressure
direct pressure
static pressure

Question 15: _____ is a lined hole in the ground that is used to discharge effluent from the septic tank called?
sand filter
sand interceptor
seepage pit
remote septic field

Question 16: The drinkable water system that is generally buried in public streets is known as:
street main
water main
public main
A and B are correct

Question 17: How many definitions are found under the letter O in the UPC?
1
2
3

Question 18: A device that prevents foreign liquid/matter from flowing back into the potable system:
backflow prevention device
double check valve assembly
anti-flow meter
none of the above

Question 19: A lavatory drain that is connected into the vent of the water closet is referred to as a _____.
dirty arm
code installation
combination waste and vent
wet vent

Question 20: A drain from a building's potable water system empties into a drain receptor. There is a one-inch space between the outlet of the drain and the flood level of the receptor. This is known as:
an airgap
an airbreak
indirect waste
all of the above

Question 21: A Hydro-mechanical Grease Interceptor incorporates one of the following EXCEPT:
External flow control, with air intake (vent): directly connected
External flow control, with air intake (vent): indirectly connected
External flow control, without air intake (vent): directly connected
Without external flow control, directly connected
Without external flow control, indirectly connected

Question 22: A pipe that moves waste other than fecal matter is called a:
a. waste pipe
b. drain line
c. sewer line
d. both b and c are correct

Question 23: On a remodel, older plumbing work was uncovered that does not meet the latest current code. This work is considered to be:
accepted
approved
existing work
all of the above

Question 24: A drain that dumps into a drainage system and that does not make physical connection with the drain and has a physical gap between the two is known as:
an airgap
an airbreak
indirect waste
all of the above

Question 25: Any pipe that is installed at an angle less than forty-five degrees from vertical is considered:
crooked
vertical
horizontal
bent

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Quiz 3

Question 1: A legally recorded individual area of land that is built or being built and regulated by this code and is in possession of the owner is called a:

- lot
- plot
- short plot
- property

Question 2: A grease trap is a device designed to retain grease from a minimum of ___ to a maximum of ___ fixtures.

- 1, 5
- 2, 5
- 1, 4
- 2, 4

Question 3: Material or equipment that holds the mark of an approved listing agency is considered to be:

- approved
- listed
- registered
- labeled

Question 4: To be called a riser, a vertical water line must extend at least:

- 12 inches
- 36 inches
- one full story or more
- there is no height requirement

Question 5: Two showers that are installed in the same custom bathroom are known as a:

- customized shower
- gang shower
- group shower
- both B and C are correct

Question 6: The vertical DWV main of a system is the:

- soil stack
- VTR stack
- stack
- DWV stack

Question 7: Surges may exert excess pressure on a plumbing system. Which device is used to absorb this excess pressure?

- air chamber
- pressure tank
- thermal expansion device
- manifold
- pressure expansion tank

Question 8: A pipe that supplies potable water to any building or part of the lot is known as a(n):

- building supply
- irrigation line
- water service
- both A and C are correct

Question 9: The drain line between the trap and the vent is called:

- wet vent
- dirty arm
- trap arm
- drain line

Question 10: An installation that could allow waste to flow into a potable system is called:

- a backflow connection
- back-siphonage
- a backflow condition
- none of the above

Question 11: Any pipe that is installed in a vertical position or that makes an angle of not more than 45 degrees is considered to be vertical. True False

Question 12: A building drain must extend at least _____ from the outside of the building wall.

- 2 feet
- 4 feet
- 6 feet
- 8 feet

Question 13: When fittings are used to bring the pipes together instead of making a slight bend in the run, the term used is _____.

- an offset
- an inset
- a reset
- a non-set

Question 14: Supports are:

- hangers
- anchors
- members
- both A and B are correct

Question 15: What is the vertical section of the rain drain system that conveys storm water from the gutter drains called?

- rain drain riser
- leader
- conductor
- gutter drain

Question 16: PVDF stands for:

- Polyvinyl Difluoride
- Polyvinylidene Fluoride
- Polyvinyl Dissipated Fluorine
- Polyacrylic Vinylidene Fluoride

Question 17: The word "should" in the plumbing code means:

- recommended
- suggested
- mandatory
- all of the above

Question 18: Regulating equipment is:

- a valve in the plumbing system
- a control in the plumbing system
- part of the plumbing system that is required to be accessible or readily accessible
- all of the above

Question 19: What is the system that moves the potable water from the service to the fixtures called?

- water distributing pipe
- structure water system
- potable water system
- all of the above

Question 20: An angle stop is:

- a required plumbing fixture
- an isolation valve
- an insulation valve
- a plumbing appurtenance

Question 21: A private sewer can convey to a public sewer system for disposal.

True
False

Question 22: A drain cannot extend more than _____ past the edge of a building.

- 2 feet
- 4 feet
- 8 feet
- none of the above

Question 23: An individual vent is:

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a pipe that vents through the roof independently
a pipe that may connect to a vent system that is above the fixture that it serves

a pipe that vents a fixture
all of the above
none of the above

Question 24: An unconfined space must have at least _____ cubic feet per 1000 BTUH.
1 50 75 100 200

Question 25: A device installed upstream from the hydro-mechanical grease interceptor having an orifice that controls the rate of flow through the interceptor, and an air intake downstream from the orifice, which allows air to be drawn into a flow stream is a ____

Flow Control Vent
Vented Control Device
Vented Flow Device
Vented Flow Control Device

Quiz 4

Question 1: The principal artery of any system that may have branches coming from it is called the:

arterial line
principal line
main
all of the above

Question 2: What is the name of a device that separates and retains hazardous or unwanted material from the normal drainage system and will allow normal sewage and liquid material to drain to the sewer?

retention tank
clarifier
interceptor
both B and C are correct

Question 3: PP is ____

Polypropylene
Polyvinyl Chloride
Polyvinylidene Fluoride
none of the above

Question 4: A drain, such as a footing drain, that does not drain into the building sewer is referred to as:

a building sub-drain
a supplementary building drain
a building storm sewer
an illegal drain—all must tie into city sewer

Question 5: Without any movement of the water, the pressure measured with a gauge would be referred to as:

gauge pressure
static pressure
street pressure
main line pressure

Question 6: SDR means:

standard dimensional ratio
statistical dimensional rating
standard diameter resource
sexual disease rate

Question 7: CPVC is:

Cold Pressurized Valve Connection
Conductor Pressure Value Coefficient
Chlorinated Poly Vinyl Chloride
Calculated Pressure Valve Capacity

Question 8: A drain line that catches subsurface and/or seepage water is known as a:

subsurface drain
below grade drain

storm drain
subsoil drain

Question 9: A bathroom must include:

a water closet
a water closet and a sink
a water closet and a sink and a bathtub or shower
a bathtub or shower

Question 10: A storm sewer conveys all of the following except:

potable water drainage
rainwater
condensate
surface water
cooling water

Question 11: Vent pipes:

provide an ability for sewer gas to vent to the atmosphere
stops back siphonage of traps
relieves pressure in the drainage system
all of the above

Question 12: What is the name of the water line between the angle stop and the water closet?

fixture supply
toilet tank supply line
fixture branch
flexible water supply line

Question 13: A building storm drain may convey sewage.

True
False

Question 14: Backflow Connection is any arrangement whereby backflow can occur.

True
False

Question 15: An installation that is required to be accessible means that it can be:

accessed by cutting access into a wall
accessed by removing an access panel, door or another accepted method
accessed by removing a fixture or appliance
none of the above

Question 16: A water supply was installed with a cross-connection that resulted in contamination. The installation is called ____.

a water/sewer cross.
a by lateral cross.
a unilateral cross.
a cross-connection.

Question 17: Water from tap is has a light brown hue and smells bad. Although testing revealed that the water is safe to drink, it would be classified as:

a. a nuisance
b. a low hazard
c. pollution
d. b and c are both correct

Question 18: A plumbing system has been installed except for setting/ hooking up the fixtures. At this point the installation is labeled a:

system install
roughing-in
rough-out
artial install

Question 19: The principal artery of the venting system to which vent branches may be connected is called the ____.

major vent
minor
main vent

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cumulative vent

Question 20: A vent in the drainage system that is designed and installed to provide pressure relief to the drainage and venting system is called a(n):

relief vent
auxiliary vent
supplementary vent
add-on vent

Question 21: What is the proper name of the water line between the kitchen sink and the main water line?

water line
auxiliary line
branch supply line
arterial line
fixture branch

Question 22: Safe drinking water is called:

potable water
tap water
certified water
drinking water

Question 23: An insanitary condition could mean:

a trap does not maintain a proper trap seal
there is a defect in a trap or fitting
a cross connection is installed that could lead to contamination of the potable water system
all of the above
none of the above

Question 24: A macerating toilet system:
grinds the effluent and pumps it to a approved point of discharge cannot be installed on a private sewer/ disposal system is insanitary originally were designed and installed in Macedonia

Question 25: A pipe from a system which does not connect to, but discharges waste liquid into a receptacle which is in turn connected to a drainage system is called:

an insanitary installation
a code violation
a conforming installation
a non-conforming installation
an indirect waste pipe

Quiz 5

Question 1: Direct access without removing any panel, door or similar obstructions is the meaning of:

accessible
non-restricted
readily accessible
none of the above

Question 2: The physical separation that may be a low inlet into the indirect waste receptor from the fixture is referred to as:

the specified gap
air break
break gap
space break

Question 3: A pressure surge-absorbing device operating through the compressibility of air is correctly known as a(n):

air chamber
expansion chamber
surge chamber
water chamber

Question 4: The word that means "Acceptable to the Authority having Jurisdiction" is:

approved
certified

verified
accepted

Question 5: A receptor designed to collect surface or storm water from an open area is referred to as a(n):

area drain
local drain
French drain
drainage pit

Question 6: A fitting supplied with water under a positive pressure that passes through an integral orifice causing a vacuum is called:

a vacuum tap
a pressure tap
a negative pressure tap
an aspirator

Question 7: The flow of water into the distributing pipes of a potable supply of water from any sources other than its intended source is called:

forward flow
back flow
side flow
reversed flow

Question 8: Any arrangement whereby backflow can occur is called:

forward flow connection
back flow connection
side flow connection
reversed flow connection

Question 9: A room equipped with a shower or a bathtub is called a:

¼ bathroom
½ bathroom
bathroom
shower room

Question 10: Any group of two or more similar, adjacent fixtures that discharge into a common horizontal waste or soil branch is called a:

double bathroom
double discharge
multiple fixture connection
battery of fixtures

Question 11: An outlet on a boiler to permit the emptying or discharge of sediment is known as:

the outlet valve
boiler blow-off
sediment release
empty tank valve

Question 12: Any part of the piping system other than a main, riser or stack is known as a(n):

branch
stem
trunk
arterial

Question 13: A vent connecting one or more individual vents with a vent stack or stack vent is known as a:

connection vent
multiple vent tie in
branch vent
trunk vent

Question 14: A building drain that conveys only sewage is known as a:

waste drain
black water drain
human waste drain
sanitary building drain

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Question 15: A building drain that conveys storm water or other drainage but no sewage is known as a:

- rain drain
- white water drain
- unsanitary waste drain
- storm building drain

Question 16: That portion of a drainage system that does not drain by gravity into the building sewer is known as a:

- storm building drain
- sanitary building drain
- building sub-drain
- building trans-drain

Question 17: Lined excavation in the ground that receives the discharge of a drainage system and is designed to retain the organic matter and solids, but permits the liquids to seep through the bottom and sides, is known as a:

- latrine
- cesspool
- lime pit
- interceptor pit

Question 18: Cooling water and condensate drainage from refrigeration and air-conditioning equipment is known as:

- potable water
- clear water waste
- clear water
- gray water

Question 19: A sink designed primarily to receive wastes from bedpans and that has a flush rim, an integral trap with a visible trap seal and the same flushing and cleansing characteristics as a water closet is known as:

- clinic sink
- bedpan sink
- nursing home sink
- hospital sink

Question 20: A specially designed system of waste piping embodying the horizontal wet venting of one or more sinks or floor drains by a common waste and vent pipe, adequately sized to provide free movement of air above the flow line of the drain, is known as:

- cross connection system
- multiple connection system
- combination waste and vent system
- double connection system

Question 21: A pipe inside the building which conveys storm water from the roof to a storm drain/combined building sewer is known as a:

- conductor
- insulator
- interior wall roof drain
- enclosed drain

Question 22: A room or space having a volume less than 50 cubic feet per 1000 BTUH of the aggregate input rating of all fuel-burning appliances installed in that space is known as a:

- non-vented room
- undersized space
- redefined space
- confined space

Question 23: A vertical vent that is a continuation of the drain to which it connects is known as a(n):

- non-interrupted vent
- continuous vent
- extended vent
- combination vent

Question 24: A drain connecting the compartment of a set of fixtures to a trap, or connecting other permitted fixtures to a common trap, is known as:

- non-interrupted waste
- continuous waste

- extended waste
- combination waste

Question 25: Any connection between a potable water supply and any plumbing fixture or tank through which it may be possible for non-potable water to enter into any part of such potable water system under any condition is known as a:

- contaminated connection
- non-continuous connection
- combination connection
- cross-connection