

2006 UPC Chapter 7, 8, 9 Univ. Quiz Questions

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Quiz 1 (701.0- 712.3)

Question 1

Galvanized steel pipe shall be kept at least _____ inches aboveground

- a. 6 inches
- b. 7 inches
- c. 5 inches
- d. galvanized steel pipe must be underground

Question 2

Vitrified clay pipe can fittings shall be used either aboveground or can be pressurized by a pump or ejector.

- a. True
- b. False

Question 3

Vitrified clay pipe shall be kept at least _____ inches below ground.

- a. 11
- b. 12
- c. 13
- d. 300

Question 4

Copper tube for drainage and vent piping shall have a weight equal to or greater than that of copper drainage tube type _____.

- a. DMV
- b. PVC
- d. LDS
- c. All of the above

Question 5.

_____ and fittings shall not be installed underground, in addition they shall be kept at least 6 inches aboveground.

- a. Stainless steel 304 pipe
- b. Titanium 403 pipe
- c. Vitrified clay pipe
- d. Surgical tubing

Question 6

The minimum sizes of vertical drainage piping shall be determined from the total of all fixture units connected and in accordance with their _____.

- a. Width
- b. Length
- c. Pipe type
- d. All of the above

Question 7

For a continuous flow into a drainage system from a pump, _____ fixture units shall be allowed for each gallon per minute of flow.

- a. 5

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

Question 8

Horizontal drainage lines connecting with other horizontal drainage lines can enter through 45-degree wye branches.

- a. True
- b. False

Question 9

Each cleanout fitting for cast-iron pipe shall consist of a cast-iron or brass body and an approved plug.

- a. True
- b. False

Question 10.

Plugs need to have raised _____ heads or approved countersunk rectangular slots

- a. Oval
- b. Square
- c. Triangle
- d. Hexagonal

Question 11

Each cleanout fitting and cleanout plug or cap must be of a(n) _____ type

- a. new
- b. improvised
- c. approved
- d. All of the above

Question 12

Cleanouts need to be designed to be gas and watertight.

- a. True
- b. False

Question 13. Each horizontal drainage pipe shall be provided with a(n) _____ at its upper _____. Each run of piping, that is more than one hundred feet in total _____, shall be provided with a cleanout for each hundred feet, or fraction thereof.

- a. Cleanout, terminal, developed length,
- b. Cleanup, terminator, developer strength,
- c. Outlet, pump, developed length
- d. Water trap, faucet, width,

Question 14

There needs to be an additional cleanout in a drainage line for each aggregate horizontal change of direction exceeding 135 degrees.

- a. True
- b. False

Question 15

Each cleanout should be installed according to section 707.6

- a. yes
- b. no
- c. mostly yes with some exceptions

- d. mostly no with some exceptions

Question 16

When practicable, all plumbing fixtures should be drained to the sewage disposal system by gravity.

- a. True
- b. False

Question 17

A fixture that is installed lower than the next upstream manhole cover should have an approved type of backwater valve installed.

- a. Always Yes
- b. Always No
- c. Yes, if the manhole cover of the public or private sewer is serving such drainage piping.
- d. No, if the manhole cover of the public or private sewer is serving such drainage piping.

Question 18

A sewage ejector or sewage pump receiving the discharge of water closets needs to have at least a minimum discharge capacity of _____ gallons per minute.

- a. 15
- b. 20
- c. 25
- d. 30

Question 19

The discharge line from an ejector pump shall be provided with an accessible _____.

- a. backwater valve.
- b. swing check valve and gate
- c. ball valve
- d. any of the above

Question 20

A gravity drainage line connects to another horizontal drain line. The connection should be made through the top of a wye branch fitting.

- a. True
- b. False

Question 21

Drainage connections shall not be made into a drainage piping system within _____ of any vertical to horizontal change of direction of a stack containing suds-producing fixtures.

- a. 8 feet
- b. 8 yards
- c. 2438 cm
- d. 243 mm

Question 22

Bathtubs, laundries, washing machine standpipes and dishwashers are all considered to be _____

- a. sud-removing fixtures
- b. normal fixtures
- c. suds-producing fixtures

Question 23

Section 711.0, (Suds Relief) has the following exception

- a. Single family residences
- b. stacks receiving the discharge from less than 4 stories of plumbing fixtures
- c. stacks receiving the discharge from less than 5 stories of plumbing fixtures
- d. No exceptions are in the code.

Question 24

The piping of the plumbing, drainage, and venting systems shall be tested with_____.

- a. Air only
- b. Water only
- c. Air and water
- d. Air or water except that plastic pipe should not be tested with air.

Question 25

During a water test, the water should be kept in the system for at least_____, before inspection starts

- a. 15 minuets
- b. half hour
- c. overnight
- d. work week

Question 26

The air test shall be made by attaching an air compressor testing apparatus to any suitable opening, closing all inlets and outlets, and applying a uniform gauge pressure of 10 psi to the system.

- a. True
- b. False

Question 27

The pressure shall be held without introduction of additional air for a period of at least _____.

- a. Half hour
- b. 15 minutes
- c. 20 minutes
- d. 60 minuets

Quiz 2 (713.0 –723.0)

Question 1

The subdivision into smaller parcels of a lot that abuts and is served by a public sewer shall not be deemed caused to permit the construction of_____.

- a. Public roads
- b. A private sewage disposal system
- c. A side walk
- d. All of the above

Question 2

The public sewer may be considered as not being available it is located more than 300 feet from any proposed building or exterior drainage facility on any lot or premises that abuts and is served by such public sewer.

- a. True
- b. False

Question 3

_____ be issued for the installation of a private sewage disposal system, or part thereof, on any lot for which a connected with such public sewer.

- a. A citation
- b. A permit
- c. No permit
- d. No citation

Question 4

Cesspools, septic tanks, seepage pits, or drain fields shall _____

- a. Be connected to any public sewer or to any building sewer lead-in to such public sewer.
- b. Be removed for health reasons
- c. Be left alone
- d. Have extra approved check valves installed

Question 5

All pipe, brick, block, _____, or other parts in the installation of building sewers or private sewage disposal systems shall conform to the approval requirements of chapter 3 of this code.

- a. Prefabricated septic tanks,
- b. Seepage pit covers
- c. All of the above

Question 6

Building sewers shall be run in practical alignment and at a uniform slope of not less than ¼ of an inch per_____ towards the point of disposal.

- a. yard
- b. foot
- c. meter
- d. inch

Question 7

There are no exceptions to 718.1

- a. True
- b. False

Question 8

Building sewer piping shall be laid on a firm bed throughout_____

- a. it's entire length
- b. the building
- c. class 2 fire hazard areas
- d. its width

Question 9

No sewer which is constructed of materials other than those approved for use under or within a building, shall be installed under or within ___ feet of any building or structure, nor less than ___ foot below the surface of the ground

- A. 2,1
- B. 1, 2
- C. 3, 4
- D. 4, 3

Question 10

Cleanouts shall be placed inside the building near the connection between the building drain and the building sewer or installed outside the building at the lower end of the building drain and _____.

- a. to the street
- b. to a public sewer
- c. extended to grade.
- d. extended to the level

Question 11

Additional building sewer cleanouts shall be installed at intervals not to exceed 100 feet in straight runs and for each aggregate horizontal change in direction exceeding 135 degrees.

- a. True
- b. False

Question 12

When a building sewer does not exceed 10 feet in length and is _____ from a building drain that is provided with a cleanout, no cleanout will be required at its point of connection to the building drain.

- a. connected
- b. a straight-line projection
- c. greater than five feet
- d. 90 degrees

Question 13

Cleanouts installed under concrete or asphalt paving shall be made accessible by _____.

- a. yard boxes
- c. drilling holes in the concrete or asphalt
- d. installing a man hole

Question 14

The maximum distance between manholes shall exceed _____.

- a. 300 inches
- b. 300 feet
- c. 300 yards
- d. all of the above

Question 15

Every abandoned building sewer should be plugged or capped in an approved manner within 5 feet of the property line?

- a. True
- b. False

Question 16

Where disposal facilities are _____ consequent to connecting any premises with the public sewer, the permittee making the connection shall fill all _____ facilities.

- a. Operational, abandoned
- b. Abandoned, abandoned
- c. Abandoned, operational
- d. Operational, operational

Question 17

Where disposal facilities are abandoned consequent to connecting any premises with the public sewer, the permittee making the connection shall fill all abandoned facilities are required by _____ within 30 days from the time of connecting to the public sewer

- a. The federal government.
- b. The state government.
- c. The city
- d. The Authority Having Jurisdiction

Quiz 3 (801.0 –814.3)

Question 1

Where a drainage air gap is required by this code, the minimum vertical distance as measured from the lowest point of the indirect waste pipe or the fixture outlet to the flood-level rim of the receptor shall be not less than 1 inch.

- a. True
- b. False

Question 2

An establishment that processes food that has refrigeration and other food handling equipment, Uniform Plumbing Code requires _____

- a. indirect waste piping for the equipment listed above
- b. Employee facilities
- c. a safe work environment
- d. All of the above

Question 3

Except for refrigeration coils and ice making machines, the minimum size of the indirect waste pipe shall not be smaller than the drain on the unit, but shall not be smaller than _____.

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

Question 4

Indirect waste pipe for ice-making machines shall not be smaller than the drain on the unit, but shall not be less than 5/8 inch.

- a. True
- b. False

Question 5

Walk-in coolers floor drains shall be connected to a _____ discharging into an outside receptor.

- a. Gate and ball valve
- b. Separate drainage line
- c. Main line
- d. All of the above

Question 6

The _____ of the receptor shall be a minimum of 6 inches lower than the lowest floor drain

- a. Flood-level rim
- b. check valve
- c. placement

d. fire proof rim

Question 7

Cleanouts shall be provided at every ____ degree turn and shall be accessibly located.

- a. 360
- b. 45
- c. 90
- d. 180

Question 8

Where the sink in a bar is so located that the trap serving the sink cannot be vented, the sink drain shall discharge through _____ into an approved receptor that is vented.

- a. check valve
- b. an airgap or airbreak
- c. an approved water discharger
- d. PVC pipe

Question 9

The developed length from the fixture outlet to the receptor shall not exceed ____.

- a. 5 inches
- b. 5 feet
- c. 5 yard
- d. the length of the pipe

Question 10

Stills, sterilizers, and similar equipment requiring waste connections and used to sterilize materials shall be indirectly connected by means of ____.

- a. check valve
- b. an airgap
- c. sink trap
- d. one way valve

Question 11

Each such indirect waste pipe shall be separately piped to the receptor and shall not exceed 15 feet. Such receptors shall be located ____.

- a. within 15 ft of the fixture
- b. in the same building
- c. in a visible location
- d. in the same room

Question 12

Appliances or apparatus not regularly classed as plumbing fixtures, but which have drip or drainage outlets may not be drained by indirect waste pipes discharging into an open receptor through either ____.

- a. an airgap or airbreak.
- b. A one way valve or a check valve
- c. PVC or galvanized pipe
- d. all of the above

Question 13

No vent from indirect waste piping shall combine with any sewer-connected vent, but shall extend separately to ____.

- a. The public sewer

b. A private sewer

c. outside air

d. inside air

Question 14

Indirect waste pipes exceeding five feet, but not less than 15 feet in length shall be directly trapped, but such traps need not be vented.

- a. True
- b. False

Question 15

Indirect waste pipes less than ____ feet in length shall not be less than the diameter of the drain outlet or tailpiece of the fixture, appliance, or equipment served and in no case less than 1/2 inch in size.

- a. 5
- b. 10
- c. 15
- d. 20

Question 16

Angles and changes of direction in such indirect waste pipes be provided with ____ so as to permit flushing and cleaning.

- a. cleanouts
- b. check valves
- c. airgaps
- d. none of the above

Question 17

All plumbing fixtures or other receptors receiving the discharge _____ shall be approved for the use proposed and shall be of such shape and capacity as to prevent splashing or flooding.

- a. Of drainage lines
- b. Of indirect waste pipes
- c. Of gases and liquids
- d. Direct waste pipes

Question 18

No standpipe receptor for any clothes washer shall extend not than 30 inches, nor less than ____ inches above its trap.

- a. 10
- b. 40
- d. 20
- e. 30

Question 19

No trap for any clothes washer standpipe receptor shall be installed below the floor, but shall be roughed in not less than ____ inches and not more than 18 inches above the floor

- a. 5
- b. 6
- c. 7
- d. 8

Question 20

An indirect waste receptor can be installed in any toilet room, closet, cupboard, or storeroom.

- a. True
- b. False

Question 21

Appliances and similar equipment requiring water and waste and used for sterilize materials shall be drained through_____

- a. an airgap
- b. a strainer
- c. a check valve
- d. an indirect sewage line

Question 22

Appliances, devices, equipment, or other apparatus not regularly classed as plumbing fixtures, which are equipped with pumps, drips, or drainage outlets, may be _____ by indirect waste pipes discharging into an approved type of open receptor

- a. connected
- b. drained
- c. attached
- d. emptied

Question 23

When undiluted condensate waste from condensing furnace is discharged into the drainage system, the material in the drainage system shall be_____.

- a. pottery, ceramic, porcelain,
- b. iron, galvanized iron, plastic
- c. copper, brass, bronze
- d. none of the above

Question 24

A domestic dishwashing machine should not directly connect to a food waste disposer without the use of an approved dishwasher airgap fitting on the discharge side of the dishwashing machine

- a. True
- b. False

Question 25

A drinking fountains may be installed with indirect wastes?

- a. True
- b. No

Question 26

A steam pipe may be directly connected to any part of a plumbing or drainage system?

- A. True
- b. False

Question 27

Water above 140°F may be discharged under pressure into any part of a drainage system?

- a. True
- b. False

Question 28

Intercepting tanks that are constructed of concrete shall have walls and bottom not less than _____ in thickness.

- a. 2 inches
- b. 3 inches
- c. 4 inches
- d. 5 inches

Question 29

Condensers constructed of metal shall be not less than U.S. standard 12 gauge. All such metal condensers shall be protected from external corrosion by an approved _____ coating.

- a. Insulation
- b. plastic
- c. bituminous
- d. lead

Question 30

Sumps or condensers shall be provided with suitable means of access for _____.

- a. Servicing
- b. flushing
- c. Cleaning
- d. greasing

Question 31

Every indirect waste interceptor receiving discharge containing particles that would clog the receptor drain must have a readily removable_____

- a. drain
- b. dip pan
- c. beehive strainer
- d. mesh

Question 32

Chemical or industrial liquid wastes that are likely to damage or increase maintenance costs on the sanitary sewer system shall be_____.

- a. ignored
- b. stained with a die, so it can be sorted to the right disposal facility.
- c. pretreated to render them innocuous prior to discharge into a drainage system.
- d. taken out of the system and brought to a storage facility.

Question 33

Copper tube _____ may be used for chemical or industrial wastes.

- a. True
- b. False

Question 34

The owner should make and keep a permanent record of the locations of all piping and venting carrying_____

- a. indirect waste
- b. normal waste
- c. chemical waste
- d. water

Question 35

A chemical vent can intersect vents for other services when_____.

- a. never
- b. if it's the shortest route
- c. if galvanized iron is used
- d. if PVC is used

Question 36

Pipes carrying wastewater from a swimming pool, including pool drainage and backwash from filters, shall be installed as a(n) _____.

- a. indirect waste
- b. direct waste
- c. chemical waste
- d. industrial waste

Question 37

Air conditioner condensate waste can drain over a public way.

- a. True
- b. False

Quiz 4 (901.0 –910.7)

Question 1

Vent piping is mandatory on an interceptor when such interceptor acts as a primary settling tank and discharges through a horizontal indirect waste pipe into a secondary interceptor. The second interceptor shall _____.

- a. sized smaller than the primary settling tank
- b. also act as a second settling tank
- c. be properly trapped and vented
- d. have twice the area of the first

Question 2

Traps serving sinks that are part of the equipment of bars need not to be vented when the location and construction of such bars is such as to make it impossible to do so. However when such conditions exist _____.

- a. said sinks shall discharge by means of approved indirect waste pipes into a floor sink or other approved type of receptor
- b. said sinks shall discharge by means of waste pipes into a floor sink or other approved type of receptor
- c. said sinks will need to use PVC pipe
- d. all of the above

Question 3

Iron, copper, brass, and porcelain can all be used as a vent pipes.

- a. True
- b. False

Question 4

No _____ shall be used underground and shall be kept at least 6 inches aboveground.

- a. brass, cooper
- b. porcelain, clay
- c. galvanized wrought-iron or galvanized steel pipe
- d. Schedule 40pvc DMV

Question 5

_____piping installations shall be installed in accordance with IS 5, IS 9, and chapter 15

- a. Porcelain, clay
- b. brass, cooper
- c. galvanized wrought-iron or galvanized steel pipe
- d. ABS and PVC DWV

Question 6

Copper tube for _____and vent piping shall have a weight of not less than that of copper drainage tube DMV.

- a. venting
- b. indirect waste
- c. underground drainage
- d. above ground drainage
- e. C and D both work

Question 7

Copper tube shall not be used for chemical or _____ as defined in Section 811.0.

- a. indirect waste
- b. underground drainage
- c. gravity drainage
- d. industrial waste

Question 8

Hard-drawn copper tubing colored coded green is type_____.

- a. Type K
- b. Type L
- c. Type M
- d. Type DMV

Question 9

Hard-drawn copper tubing colored coded blue is type_____.

- a. Type K
- b. Type L
- c. Type M
- d. Type DMV

Question 10

Hard-drawn copper tubing colored coded red is type_____.

- a. Type K
- b. Type L
- c. Type M
- d. Type DMV

Question 11

Hard-drawn copper tubing colored coded yellow is type_____.

- a. Type K
- b. Type L
- c. Type M
- d. Type DMV

Question 12

Cast iron, galvanized malleable iron or galvanized steel, copper, brass, ABS, PVC, stainless steel 304 or 316L, can all be _____.

- a. used underground
- b. vent fittings
- c. soldered
- d. None of the above

Question 13

Stainless steel 304 pipe and fittings shall not be installed underground and shall be kept at least _____ aboveground.

- a. 5 inches
- b. 4 inches
- c. 6 inches
- d. 7 inches

Question 14

Changes in direction of vent piping shall be made by the appropriate use of approved fittings, and pipe is allowed to be strained or bent.

- a. True
- b. False

Question 15

No more than 1/3 of the _____, per Table 7-5, of any minimum-sized vent shall be installed in a horizontal position.

- a. width
- b. height
- c. total permitted length
- d. Area

Question 16

When a minimum-sized vent is increased _____ pipe size for its entire length, the maximum length limitation does not apply.

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

Question 17

A vent is connected to a horizontal drainage pipe. Each vent pipe has to have its invert taken off above the drainage centerline of such pipe downstream of the trap being served.

- a. True
- b. False

Question 18

A vent pipe extends undiminished in size above the roof and should be reconnected with a soil or waste vent of proper size.

- a. True
- b. False

Question 19

A vent pipe opening from a waste pipe, not from a water closet is below the weir of the trap. This meets code requirements.

- a. True
- b. False

Question 20

Two fixtures may be served by a common vertical pipe, when each such fixture wastes separately into an approved _____ fitting having inlet openings at the same level.

- a. single
- b. double
- c. triple
- d. quadruple

Question 21

Each vent pipe or stack shall extend through its flashing and shall terminate vertically not less than 6 inches above the roof nor less than 2 feet from any vertical surface?

- a. True
- b. False

Question 22

Each vent shall terminate not less than 10 feet from, or at least _____ feet above, any operable window, door, nor less than 3 feet in every direction from any lot line, alley, and street.

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

Question 23

Vent pipes shall be extended separately or combined of full-required size, not less than 6 inches above the _____.

- a. floor
- b. ground
- c. ceiling
- d. roof or fire wall

Question 24

Vent pipes for outdoor installation shall extend at least 10 feet above the surrounding ground and shall be _____.

- a. placed in an accessible area
- b. marked as to make it more visible
- c. securely supported
- d. all of the above

Question 25

A joint at the roof around vent pipes has be made watertight by the use of approved flashings or flashing material.

- a. True
- b. False

Question 26

Where frost or snow closure is likely to occur in locations having a minimum design temperature below 0°F, vent terminals shall be a minimum of _____ in diameter, but in no event smaller than the required vent pipe.

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

Question 27

The yoke vent connection to the vent stack shall be placed not less than 42 inches above the floor level, and the yoke vent connection to the drainage stack shall be by means of a _____ placed below the lowest drainage branch connection serving that floor.

- a. check valve
- b. beehive strainer
- c. air gap
- d. wye-branch fitting

Question 28

The dry vent connection to the wet vent shall be an individual vent or common vent for the _____

- a. lavatory
- b. bidet
- c. shower
- d. bathtub
- e. All of the above

Question 29

The wet vent shall be sized based on the fixture unit discharge into the wet vent. The wet vent shall be a minimum size of 2 inches for 4 dfu or less, and _____ inches for more than 4 dfu.

- a. 2
- b. 3
- c. 4
- d. 5

Question 30

Combination _____ shall be permitted only where structural conditions preclude the installation of conventional systems as otherwise prescribed by this code.

- a. drainage and indirect waste
- b. waste and vent systems
- c. vent and HVAC
- d. waste and indirect waste

Question 31

Tailpieces or connections shall be as short as possible, and in no case shall exceed _____ feet.

- a. 1.5
- b. 2
- c. 3
- d. 6

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