

PLEASE DO NOT BOOKMARK ANY ANYTIMECE WEBPAGES!

Our system will remember the last page you viewed when logging out and back in, but please DO NOT exit when taking a test. Your place will NOT be saved.

How to take this course.

1. Download and print the test questions.
2. Log in to your account with your ID and password.
3. Viewing your status page, scroll down and click on "[Click here to start this course.](#)"



4. Begin viewing the web pages. Refer to your printed test to find the correct answers. The questions track the web pages.
5. As you find the answers, circle them on your printed copy.
6. At the end of each section, you'll enter the quiz which is the same as your printed test. Refer to your circled answers when actually answering the quiz on the web.
7. Upon passing, you will proceed to the next section. If you failed to pass, you will be moved back to the beginning of that section for more review.

Mobile users – Many current mobile devices are compatible with AnytimeCE and will probably work. If not, use a desktop or laptop computer to complete your course.

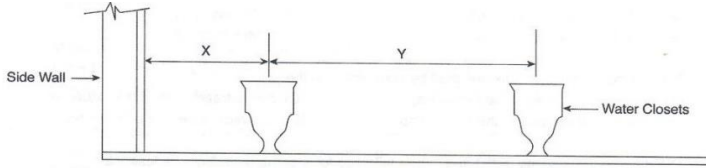
Quiz 1

Lesson 1

1. What would NOT be a good material for a bathtub?
 - plastic
 - stainless steel
 - ceramic
 - wood
2. Plumbing fixtures shall be installed in a manner that affords easy access for repairs. What example below does NOT comply with this code?
 - drain pipes under kitchen sink
 - shower head up on wall
 - drain pipes under lavatory sink
 - toilet tank under counter
3. Caulk a fixture hung on a wall to provide a watertight seal .
 - True
 - False
4. Screws for securing closet flanges shall be _____.
 - copper
 - copper alloy
 - other equally corrosion resistant material
 - all of the answers given
5. Wall-mounted water closet fixtures shall be securely fastened with _____.
 - lots of caulking
 - Plumber's tape
 - an approved carrier fitting
 - a special ceramic cement
6. Metal carrier units for toilets shall be firmly connected to the _____.
 - drain pipes
 - water supply
 - framing
 - counter over toilet tank

UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

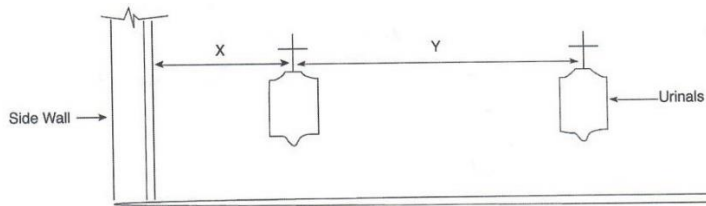


7. The distance X for a water closet shall side wall to center line be not less than _____ inches.

- 24
- 15
- 12
- 30

8. The distance Y for a water closet center line to center line shall be not less than _____ inches.

- 24
- 15
- 12
- 30



9. Distance X for a urinal side wall to center line shall be not less than _____ inches.

- 15
- 20
- 24
- 12

10. Distance Y for a urinal center line to center line shall be not less than _____ inches.

- 20
- 24
- 12
- 15

Lesson 2

11. Fixture connections between drainage pipes and water closets, floor outlet service sinks and urinals shall be made by means of

- approved copper alloy
- hard lead
- ABS
- PVC
- All of the answers provided

12. The flanged fixture connections shall be _____ with an approved gasket, washer or setting compound between the fixture and connection.

- screwed

- taped
- caulked
- bolted

13. Closet rings (closet flanges) shall be of an approved type. Which of the following is an approved type?

- PVC
- ABS
- cast-iron
- copper alloy
- all of the answers provided

14. Caulked-on closet rings shall not be less than ¼ inch thick and not less than _____ inches in overall depth.

- 2
- 3
- 4
- 5

Lesson 3

15. Closet flanges shall be securely fastened with _____ to the floor. These fasteners shall be copper alloy, copper, or other listed, equally corrosion-resistant material.

- bolts and washers
- screws
- similar fasteners
- all of the answers provided

16. Back-outlet water closet bowls shall be bolted to both the wall and floor.

- True
- False

17. Where floor-mounted back-outlet water closets are used, the soil pipe shall be no less than _____ inches in diameter.

- 6
- 4
- 3
- 2-1/2



18. Where floor-mounted back-outlet water closets are used, the above shown closet flange is an approved fitting.

- True
- False

UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

19. The critical level on any flush valve vacuum breaker needs a _____ inch clearance to function properly.

- 12
- 7
- 5
- 6

20. Fixtures having concealed slip joint connections shall be provided with _____.

- a ladder and a light fixture
- brass fittings
- rubber gaskets
- an access panel

21. Construction for future installations shall be terminated with a plugged fitting or fittings.

- True
- False

Quiz 2

Lesson 4

1. Water supply and drain pipes under accessible lavatories and sinks shall be _____.

- painted white
- fitted with brass fittings
- insulated (protected from contact)
- chrome plated

2. It is permissible to use waste fittings that comply with Table 701.2 for _____.

- building sewer pipe and fittings
- under ground drain, waste, vent pipe and fittings
- above ground drain, waste, vent pipe and fittings
- storm sewer pipe and fittings

3. Water closets that are thoroughly washed at each discharge are _____.

- easier to clean
- approved
- not allowed
- considered to be high-efficiency toilets

4. Trough urinals shall be _____.

- permissible if constructed of concrete
- required in large buildings
- prohibited
- allowed at stadiums

5. No dry or chemical closet (toilet) shall be installed in a building used for human habitation, unless first approved by the _____.

- plumbing inspector
- general contractor
- plumbing foreman
- health officer

6. Baptisteries requiring water, waste connections, or both, shall be submitted for approval to the _____ prior to installation.

- plumbing inspector
- health officer
- general contractor
- Authority Having Jurisdiction

Lesson 5

7. Brass is a metal alloy made of _____ and _____.

- copper and zinc
- stainless steel and chrome
- iron and tin
- tungsten and chrome

8. The maximum flow rate for a public lavatory non-metered faucet shall not exceed _____.

- 5 gpm
- 2.5 gpm
- 0.02 gpm
- 0.5 gpm

9. Hot water delivered from public-use lavatories shall be limited to a maximum temperature of _____.

- 110°F
- 130°F
- 125°F
- 120°F

10. The thermostatic valve shall be considered a control for meeting the above provision.

- True
- False

11. Lavatories shall have a waste outlet and fixture tailpiece not less than _____ inches in diameter.

- 1 ½
- 2
- 2 ½
- 1 ¼

12. Where overflows are provided, they shall be installed in accordance with Section _____.

- 402.4
- 400.0
- 403.3
- 404.2

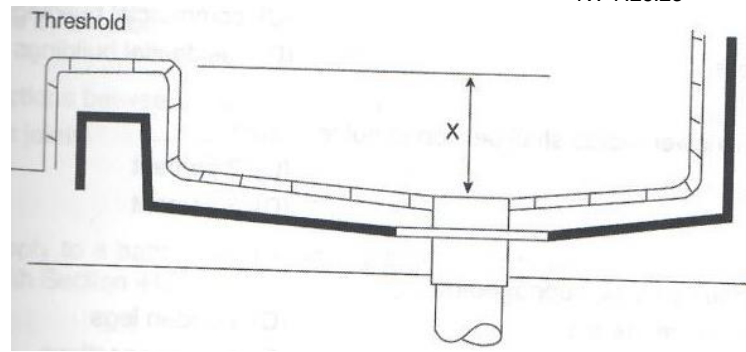
UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

Quiz 3

Lesson 6

- Showerheads shall have a maximum flow rate of not more than _____.
 - 3.5 gpm at 80 psi
 - 2.5 gpm at 80 psi
 - 2 gpm at 80psi
 - 3.5 gpm at 80psi
- Showers and tub-shower combinations shall be provided with individual control valves of the _____ type.
 - pressure balance
 - thermostatic
 - combination thermostatic/pressure balance
 - any of the answers provided
- A gang shower with maximum water temperature of 120°F shall be controlled by a _____.
 - pressure balance valve
 - gate valve
 - metered valve
 - mixing valve
- At a water temperature of 130°F, how long would it take for an adult to suffer 2nd and/or 3rd degree burns?
 - 5 min
 - 30 seconds
 - 5 seconds
 - 1.5 seconds
- Strainers serving shower drains shall have waterways at least equivalent to the area of the _____.
 - building drain
 - vent
 - shower head
 - tailpiece
- Where a shower receptor has a finished dam, curb, or threshold, it shall be not less than _____ lower than the sides and back of such receptor.
 - 2 inches
 - ½ inch
 - 1 inch
 - 2.5 inches
- In no case shall a dam or threshold be less than _____ inches in depth where measured from the top of the dam.
 - 3
 - 2.5
 - 2
 - 1.5
- The distance X is restricted to _____.
 - 2 inches minimum and 9 inches maximum
 - 1 inch minimum and 7 inches maximum
 - 2 inches minimum and 5 inches maximum
 - 1.5 inches minimum and 4 inches maximum
- The finished floor of the receptor shall slope uniformly from the sides towards the drain at an angle of not less than _____ inch per foot.
 - 1/8
 - 1/4
 - 1
 - 1/2
- The finished floor of the receptor shall slope uniformly from the sides towards the drain at an angle of not more than _____ inch per foot.
 - 1/8
 - 1/4
 - 1
 - 1/2
- Shower doors shall open so as to maintain not less than a _____ unobstructed opening for egress.
 - 24 inch
 - 26 inch
 - 3 foot
 - 22 inch
- The area and dimensions of a shower compartment shall be maintained to a point of not less than _____ inches above the shower drain outlet.
 - 1000 inches
 - 200 inches
 - 70 inches
 - 30 inches
- Fold-down seats in an accessible shower stall shall protrude into a _____ inch circle.
 - 1000 inch
 - 200 inch
 - 70 inch
 - 30 inch



UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

14. The minimum required area and dimensions shall not apply for a shower receptor having overall dimensions of not less than _____ inches in width and _____ inches in length.

- 24 – 30
- 40 – 60
- 30 – 50
- 30 – 60

Lesson 7

15. Shower receptors shall have the subfloor and rough side of walls at a height of not less than _____ above the threshold or dam.

- 6 inches
- 3 inches
- 5 inches
- 2 inches

16. Lining materials shall be pitched _____ per foot to weep holes in the subdrain of a smooth and solidly formed subbase.

- 1/2 inch
- 1/4 inch
- 1/8 inch
- 1/3 inch
-

17. Lining material must be at least _____ above dam or threshold.

- 2 inches
- 3 inches
- 1 inch
- 4 inches

18. Shower pan linings may be constructed of _____.

- 26 B&S gauge copper
- 3 lbs. per square foot lead
- 15 lbs. asphalt impregnated roofing felt
- zinc coated steel

19. Folds, laps, and reinforcing webbing shall extend not less than _____ in all directions from the corner.

- 4 inches
- 8 inches
- 6 inches
- 2 inches

20. The subdrain shall have _____ holes into the waste line.

- large
- small
- open
- weep

21. The lead sheet or copper sheet shall be insulated from conducting substances, other than the connecting drain, by _____ or an equivalent.

- wood
- plastic sheeting
- cement
- 15-pound asphalt felt

22. Sheet copper shall be joined by _____.

- wiping joints
- burned joints
- brazing or soldering joints
- copper cement joints

23. Shower receptors shall be tested for water tightness by filling with water to the level of the rough _____.

- threshold
- overflow
- liner
- drain line

24. Gutters in public or gang shower rooms shall have _____ corners for easy cleaning and shall be sloped not less than _____ toward drains.

- bulging, 4 percent
- rounded, 2 percent
- squared, 5 percent
- oval, 6 percent

25. A water supply riser from the shower valve to the showerhead outlet, whether exposed or not, shall be _____.

- long enough to reach the head
- long enough to reach the back
- securely attached to the structure
- short enough not to touch the floor

Quiz 4

Lesson 8

1. Bathtubs and whirlpool bathtubs shall have a waste outlet and fixture tailpiece not less than _____ in diameter.

- 2 inches
- 3 inches
- 1 ¼ inches
- 1 ½ inches

2. The maximum hot water temperature discharging from a bathtub and whirlpool bathtub spout shall be limited to _____.

- 120°F
- 100°F
- 125°F
- 110°F

UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

3. The water heater thermostat shall be considered a control for meeting this provision.
 - True
 - False
4. The water supply to a bathtub and whirlpool bathtub filler valve shall be protected by a/an _____ or in accordance with Section 417.0.
 - air break
 - air gap
 - reduced pressure valve
 - all of the answers provided
5. Whirlpool pump access located in the crawl space shall be located not more than _____ from an access door, trap door, or crawl hole.
 - 10 yards
 - 25 feet
 - 48 inches
 - 20 feet
6. The circulation pump shall be located above the _____.
 - crown weir of the trap
 - overflow pipe connection
 - inlet side of the trap
 - vent connection
7. A bidet needs a/an _____ for backflow protection.
 - spill-resistant pressure vacuum valve (SVB)
 - pressure vacuum breaker backflow prevention valve (PVB)
 - atmospheric vacuum valve (AVB)
 - air gap
 - any of the answers provided
8. The maximum hot water temperature discharging from a bidet shall be limited to _____.
 - 120°F
 - 100°F
 - 125°F
 - 110°F
9. Water closet bowls for public use shall be of the _____ type.
 - white ceramic
 - stainless steel
 - comfort height
 - elongated
10. In nurseries, schools, and similar places where plumbing fixtures are provided for the use of children less than 6 years of age, water closets shall be _____.
 - provided with the approved stool for access
 - of a size and height suitable for children's use
 - decorated to encourage children's use

- ceramic white for easy cleaning

Lesson 9

11. Water closets shall have a maximum consumption not to exceed _____ of water per flush.
 - 1.28 gallons
 - 1.6 gallons
 - 2 gallons
 - 1 gallon
12. Toilet seats for public use shall be of the elongated type and shall be either the open front type or _____.
 - round front type
 - white plastic type
 - an automatic seat cover dispenser type
 - closed front type
13. Urinals shall have an average water consumption not to exceed _____ of water per flush.
 - 1.28 gallons
 - 1 gallon
 - 1.6 gallons
 - 2 gallons
14. At least one water supplied fixture shall be installed upstream of a _____ to facilitate drain line flow and rinsing.
 - toilet
 - floor drain
 - floor sink
 - nonwater urinal

Quiz 5

Lesson 10

1. _____ devices shall comply with the antisiphon requirements in accordance with Section 603.5.
 - Water
 - Level
 - Flushing
 - Fixture
2. No manually controlled flushometer valve shall be used to flush more than one urinal.
 - True
 - False
3. Flushometers shall be installed so that they are accessible for repair.
 - True
 - False
4. The ballcock shall be installed with the critical level not less than _____ above the full opening of the overflow pipe.
 - 1 inch

UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

- 0.5 inches
 - 2 inches
 - 1.5 inches
5. Overflow shall be big enough to handle the amount of water that the fill valve can supply without _____ the tank.
- getting in the way of
 - breaking
 - causing excess noise in
 - flooding
6. A commercial dishwasher shall be protected by an air gap or backflow prevention device.
- True
 - False

Lesson 11

7. Drinking fountain faucets shall be _____.
- automatic
 - chrome plated
 - recessed
 - self-closing
8. Drinking fountains shall not be installed in _____.
- kitchens
 - closets
 - toilet rooms
 - backyards
9. What emergency equipment shall not be limited in the water supply flow rates?
- Toilet and sink
 - Shower and bathtub
 - Eyewash and shower
 - Eyewash and toilet
10. Emergency eyewash and shower equipment shall be installed in accordance with the _____.
- manufacturer's installation instructions
 - building contractor's installation instructions
 - building owner's installation instructions
 - lead plumber's installation instructions
11. The path of travel shall be free of obstructions and shall be clearly identified with signage, for a/an _____.
- A. emergency eyewash
 - B. public toilet
 - C. emergency shower
 - Both A and C

Lesson 12

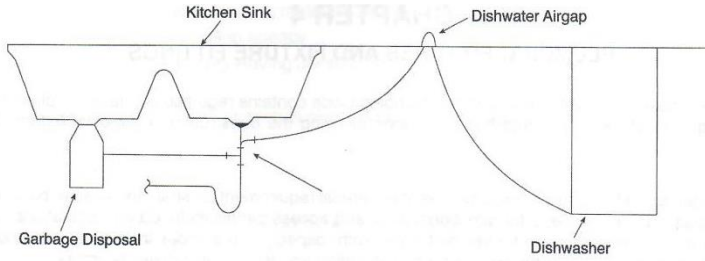
12. Where two separate handles control the hot and cold water, when facing the fixture fitting, the left hand side controls the _____ and the right hand controls the _____ water.

- hot, cold (per UPC)
 - cold, hot (per UPC)
 - either hot or cold (per the AHJ)
 - either hot or cold (per the plumber)
 - either hot or cold (per the home owner)
13. Faucets and diverters shall be connected to the water distribution system so that hot water corresponds to the _____ of the fixture fitting.
- right side
 - middle
 - top
 - left side
14. Floor drains shall be considered plumbing fixtures, and each such drain shall be provided with an approved-type _____.
- drum trap
 - overflow
 - strainer
 - plug
15. Floor drains shall be installed in the following area:
- toilet room with 2 or more water closets
 - residential bathrooms
 - residential laundry
 - residential kitchens
16. Floors shall be sloped _____ floor drains.
- toward
 - away from
 - level with
 - above the

UPC Chapter 4 Fixtures & Fittings

RV 7.26.23

Quiz 6 Lesson 13



1. The connection of the dishwasher drain directly to the continuous waste, as indicated by the arrow, is _____.
- a code violation
 - a good practice
 - not a code violation
 - a cross-connection



2. The above fitting may be used for dishwasher drain connection if there is no _____.
- trap
 - hot water
 - floor drain
 - disposal
3. A hot water supply shall be provided for food waste disposers.
- True
 - False

4. Sink faucets shall have a maximum flow rate of not more than _____ at 60 psi.
- 3 gpm
 - 2.2 gpm
 - 1.28 gpm
 - 2 gpm
5. Commercial food service pre-rinse spray valves shall have a maximum flow rate of _____ at 60 psi.
- 1.6 gpm
 - 2 gpm
 - 1.28 gpm
 - 2.2 gpm
6. Kitchen and laundry sinks shall have a waste outlet and fixture tailpiece not less than _____ inches in diameter.
- 2
 - 1-1/4
 - 2
 - 1-1/2
7. Service sinks shall have a waste outlet and fixture tailpiece not less than _____ inches.
- 2
 - 3
 - 1-1/2
 - 1-1/4
8. The waste outlet of a floor sink shall be provided with an approved _____ or _____ that is removable and accessible.
- trap – trap arm
 - trap – vent
 - cleanout – plug
 - strainer – grate