

UPC Chapters 11, 15, & 16 Code Questions

RV 11.07.2021

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How to take this course.

1. Download and print the test questions.
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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.

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Quiz 1

1. A _____ is an exterior vertical drainage pipe for conveying stormwater from the roof or gutter drains.
 - soil stack
 - catch basin
 - sanitary drain
 - leader
 - storm drain
2. A system designed to collect rainwater runoff, domestic sewage and industrial wastewater is a/an _____ system.
 - combined sewer
 - free-for-all
 - unrestricted water
 - stormwater drainage
3. In the case the case of a single-family dwelling, it is permissible to drain stormwater onto a lawn.
 - Yes, provided the water flows away from the building and does not create a nuisance.
 - No, this is not permitted.
 - Yes, this is recommended, provided that the adjacent properties have the same owner.
 - No, this is not permitted without pre-approval from the AHJ.
 - Yes, this is permitted if there is nowhere on the property for the water to drain.

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4. Stormwater drainage pipe changes of direction must be _____.
 - no closer than 12 inches from another change of direction
 - in accordance with Chapter 14 Firestop Protection requirements
 - installed in such a way as to slow the flow rate of the water
 - in accordance with the requirements of UPC Section 706.0
 - avoided unless absolutely necessary
5. Stormwater drainage conductors installed aboveground shall be of Type DWV copper drainage tube.
 - Yes, this is correct.
 - No, this is not permissible.
 - Yes, Type DWV copper is permissible, but there are also other permissible conductors.
 - Yes, provided the copper tube is compliant with ASTM B43.
 - No, Type DWV copper drainage tube is preferred for underground installations.

Quiz 2

1. A detached building areaway drain must discharge _____ or to a properly graded open area.
 - adjacent to a fence
 - at least 10 feet from a property line
 - to a drainage easement
 - through the perforations in the pipe
 - parallel to the nearest property line
2. If it is impracticable for a subsoil drain to discharge to a storm drain, approved water course, front street curb or gutter, or to an alley, _____.
 - the property owner must request an exemption
 - the local soil must be amended to handle the discharge flow
 - it may discharge to a properly graded open area
 - it must discharge to a sump tank or pit
 - the property owner must obtain a drainage easement
3. Building subdrains below the public sewer level shall discharge _____.
 - onto a properly graded open area
 - into a subsurface water course
 - up onto grade level
 - into the nearest sanitary sewer
 - into a sump or receiving tank

4. Cellar entrance areaways measuring less than 100 square feet must have a drain of at least _____.
 - 2 inches radius
 - 2% of the subsurface area
 - 2 inches in diameter
 - 2 inches by 2 inches
 - 2 square inches
5. The paved areas at a public filling station _____.
 - are required to drain to an approved water course
 - must be sloped toward sumps or gratings within the property lines
 - larger than 400 square feet must have a drain installed
 - smaller than 1000 square feet may drain to an unpaved area filled with crushed rocks
 - do not require a drain provided they slope toward a curb or gutter storm drain

Quiz 3

1. A registered design professional is not required to design gray water systems having a maximum discharge capacity of 250 gallons per day _____.
 - provided the AHJ offers an exception
 - for single-family and multi-family dwellings
 - unless the gray water system is readily accessible to the occupants
 - for commercial properties
 - provided the property owner resides on the property
2. Components, piping, and fittings used in an alternate water source system shall be _____.
 - DWV underground-approved
 - made from ABS or PVC DWV
 - listed
 - made from cast iron or ferrous material
 - buried no less than 12 inches below ground level
3. The _____ of alternate water system components shall be properly identified.
 - installer
 - manufacturer
 - owner
 - contractor
 - overall dimensions
4. Alternate water source inspections are required to verify that caution labels and markings are still in place _____.
 - when requested by the AHJ
 - after installation and every 12 months thereafter
 - every 3 months
 - only at installation
 - in accordance with the manufacturer's instructions

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5. The required maintenance and inspection of alternate water source systems are the responsibility of the _____ unless the AHJ specifies different requirements.
- installer
 - plumber
 - manufacturer
 - property owner
 - building contractor

Quiz 4

1. It is permissible to use on-site treated nonpotable water as makeup water for a non-pressurized storage tank provided the connection is protected by _____ in accordance with the code.
- an air gap
 - a backwater valve
 - a carbon filter
 - a diverter valve
 - no less than 18 inches of earth
2. No permit for a gray water system shall be issued until a plot plan with data satisfactory to the _____ has been submitted and approved.
- property owner
 - AHJ
 - local health authority
 - state review board
 - licensed system designer
3. When submitting a plot plan to the AHJ for the approval of a gray water system, which of the following is NOT required to be included?
- paved areas and structures on the plot
 - locations of water supply lines
 - lot lines
 - location of proposed gray water system
 - locations of proposed or existing gray water systems on adjacent lots
4. A plot plan submitted for the permit of a gray water system in close proximity to a lake must include the distance to the lake and the _____ between the plot and the lake.
- quantity of other plots
 - slope
 - number of large trees
 - location of any rock formations
 - other property owners

5. Gray water systems shall be designed to distribute the total amount of estimated gray water on a _____.
- daily basis
 - bed of gravel
 - carbon filtration system
 - weekly basis
 - annual basis

Quiz 5

1. The Authority Having Jurisdiction (AHJ) must approve or may even require _____ to be used in lieu of potable water for some applications.
- stormwater runoff
 - captured nonpotable rainwater
 - potable gray water
 - potable black water
 - frozen gray water
2. Piping and components used in a rainwater catchment system must be _____.
- plumbing contractor approved
 - owner approved
 - acceptable to the maintenance supervisor
 - manufactured locally
 - listed
3. The person(s) who design(s) rainwater catchment systems must be registered or licensed or meet the requirements of _____.
- the property owner
 - the International Association of Plumbers and Mechanical Officials
 - the AHJ
 - an accredited state university
 - the state in which they reside
4. A rainwater catchment system supplying drip irrigation to an orchard requires a licensed plumbing designer.
- Yes, this is always required.
 - No, this is not required if the AHJ approves the exception.
 - Yes, this is required if the irrigation system is accessible to the public.
 - No, this is not required provided the maximum storage does not exceed 360 gallons.
 - No, this is never required.

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5. Single-family dwellings with rainwater catchment system outlets, piping and components located _____ are not required to be designed by a registered or licensed design professional.
- within 100 feet of the dwelling
 - inside the building
 - on the exterior of the building
 - in an attached garage
 - in the basement

Quiz 6

1. A rainwater catchment system underground tank that has been abandoned must be removed.
- Yes, this is true.
 - Yes, but only after approval from the AHJ.
 - Yes, or it can be completely drained and filled with an approved material.
 - No, it is not permitted to be removed.
 - Yes, but not until it has been completely drained and filled with an approved material.
2. Which of the following is NOT an approved material for filling an abandoned underground water storage tank?
- earth
 - sand
 - gravel
 - broken glass
 - concrete

3. Rainwater catchment piping shall be sized in accordance with UPC _____ sizing.
- Chapter 5 water heater
 - Chapter 9 vent
 - Chapter 7 drain
 - Chapter 8 indirect waste pipe
 - Chapter 6 potable water
4. The repair of rainwater catchment systems intended to supply landscape water features must be approved by the AHJ.
- True
 - False
5. Which one of the following activities pertaining to rainwater catchment systems does NOT require approval from the AHJ?
- installation
 - repair
 - maintenance
 - alteration
 - construction