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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.
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Quiz 1

1. Chapter 3 is focused on _____.
 - water system design
 - drainage system design
 - venting
 - general requirements not specific to other chapters
 - all of the answers provided
2. All material and devices used in a plumbing system shall be _____ by a listing agency.
 - listed (third-party certified)
 - labeled (third-party certified)
 - both of the answers provided
 - neither of the answers provided
3. All materials, fixtures, or devices used in or entering into the construction of plumbing and drainage systems shall _____.
 - comply with approved applicable standards
 - conform to green product standards
 - conform to the price of the job
 - conform to material availability
4. The plumbing material can meet the standard and be a listed material, and can still not meet the code by _____.
 - not being free of defects
 - being manufactured in a foreign country
 - not being contractor approved
 - all of the answers provided

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5. A standard is a set of technical definitions and requirements for products that establishes which of the following?
- test methods
 - specifications
 - classifications
 - practices & requirement standards
 - all of the answers provided

Quiz 2

1. Where the alternate material, design or method of construction is not approved, the code official shall _____.
- respond in writing, stating the reasons why the alternative was not approved
 - meet in person to explain the reasons why the alternative was not approved
 - publish in the state journal of construction records that the alternative was not approved
 - file the Affidavit of Failure with the state attorney general
 - all of the answers provided
2. If the Authority Having Jurisdiction permits an "alternative" engineered design, _____.
- the approval shall have effect throughout the state
 - the approval shall have no effect beyond the jurisdiction of said AHJ
 - a property owner shall also approve the change
 - no record may be kept to record the exception
3. The provisions of this code allow an alternate material or method of construction provided it is _____.
- approved by the architect as an alternate
 - accepted by the owner as an alternate
 - approved by the Authority Having Jurisdiction as an alternate
 - manufactured by a reputable organization
4. The Authority Having Jurisdiction shall have the authority to require tests where _____ is no longer in accordance with the requirements on which its approval was based.
- a fitting marked in the field
 - a leaking weld joint
 - only faulty equipment
 - any material or device
 - none of the answers provided

5. In a flood hazard area, a breakaway wall is designed to _____.
- allow free passage of flood waters or high wave surge
 - allow easy entry into a flooded building
 - allow a method of escape from a flooded building
 - allow the demolition crew safe removal of a condemned building
 - all of the answers provided

Quiz 3

1. It shall be unlawful for a person to deposit _____ into a plumbing fixture, floor drain, interceptor, sump, receptor, or device, which is connected to a drainage system, public sewer, private sewer, septic tank, or cesspool.
- rags
 - ashes
 - cement
 - motor oil
 - all of the answers provided
2. How should wastes that are detrimental to a public sewer system or sewage treatment plant be handled?
- They must always be incinerated.
 - They should be treated and disposed of as found necessary by the AHJ only after entering the public sewer.
 - They should be treated and disposed of as found necessary by the AHJ prior to entering the public sewer.
 - none of the answers provided
3. Waste from a plumbing system may be discharged into surface waters _____.
- when the waste is rendered safe
 - when the waste is discharged into a large waterway or river
 - when the waste discharge has been grandfathered in by prior practice
 - when the waste discharge is less than 10 gpm
 - none of the answers provided
4. No plumbing, drainage, building sewer, or private sewage disposal system shall be located in _____.
- the walls, floors, or underground in any building
 - any lot other than the lot that is the site of the building serving the facility
 - pipe access spaces accessible for repair
 - any garage or equipment room

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5. Access requirements of the code shall remain intact when _____.
- the property is subdivided
 - the property is sold
 - the property ownership is transferred
 - all of the answers provided
 - none of the answers provided

Quiz 4

1. A double hub sanitary tapped tee may be used in a drainage system _____.
- only in the horizontal position
 - for venting only
 - if positioned vertically facing upwards
 - none of the answers provided
2. Which of the following fittings may be installed as a drainage fitting in a plumbing system?
- double hub fitting
 - double tee branch
 - side inlet quarter bend
 - saddle
 - none of the answers provided
3. ABS pipe may be drilled and tapped for the purpose of making connections when the pipe is _____.
- used as an air conditioning condensate
 - a wet vent
 - a dry vent
 - above a water closet
 - none of the answers provided
4. When is it acceptable for a cast-iron pipe to be threaded?
- When the diameter is larger than 2 inches.
 - When the diameter is smaller than 2 inches.
 - When the pipe is used as a dry vent.
 - When the pipe is used as a wet vent.
 - Cast iron pipe may never be threaded.
5. Single-stack drainage and venting systems with unvented branch lines are prohibited.
- True
 - False

Quiz 5

1. Piping passing under or through walls must be protected from _____.
- breakage
 - water leaks
 - bending
 - direct sunlight
 - all of the answers provided

2. Piping passing through or under cinders or other corrosive materials shall be _____ in an approved manner.
- sealed
 - protected from external corrosion
 - fire stopped
 - drilled
3. Piping shall have provisions for the _____ of hot water.
- expansion
 - contraction
 - temperature control
 - vibration
 - usage
4. Voids around piping passing through concrete floors on the ground shall be _____.
- flanged
 - protected
 - sealed
 - packed
5. Plumbing pipe may be directly embedded in concrete or masonry _____.
- at no time
 - if the pipe is made of galvanized steel
 - if the pipe is made of black iron
 - if the pipe is Schedule 40 stainless 404 C

Quiz 6

1. All piping, fixtures, and equipment shall be adequately supported in accordance with _____, the manufacturer's installation instructions, and in accordance with the Authority Having Jurisdiction.
- a contractor's code
 - this code
 - the owner's instructions
 - the interior designer's instructions
2. _____ and _____ shall be of sufficient strength to support the weight of a pipe and its contents.
- Hangers – anchors
 - Nails – brackets
 - Sleeves – shells
 - Studs – supports
 - none of the answers provided
3. A dielectric union isolates incompatible piping materials.
- True
 - False

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4. Piping that is joined by lead and oakum shall have horizontal supports every _____.
 - 4 feet
 - 5 feet
 - 6 feet
 - 8 feet
 - 10 feet
5. Piping that is joined by a compression gasket shall have horizontal supports every _____.
 - 4 feet
 - 5 feet
 - 6 feet
 - 8 feet
 - 10 feet

- 5/8 inch
 - 1/4 inch
4. A horizontal 1¼ inch diameter gas pipe shall be supported every _____.
 - 4 feet
 - 6 feet
 - 10 feet
 - 12 feet
 5. All trenches deeper than the footing of a building or structure, paralleling the same, shall be at least _____ from the bottom exterior edge of the footing, or as approved.
 - 45 degrees
 - 90 degrees
 - 4 feet
 - 12 feet

Quiz 7

1. Piping in the ground shall be laid on _____ for its entire length.
 - a firm bed
 - concrete blocks
 - redwood stakes
 - a bed of rocks

**TABLE 313.6
HANGER ROD SIZES**

PIPE AND TUBE SIZE (inches)	ROD SIZE (inches)
½ – 4	¾
5 – 8	½
10 – 12	⅝

For SI units: 1 inch = 25.4 mm

2. When supporting a horizontal 5-inch diameter pipe, a _____ size rod shall be used.
 - 3/8 inch
 - 1/2 inch
 - 5/8 inch
 - all of the answers provided
 - none of the answers provided
3. When supporting a horizontal pipe ¾ of an inch in diameter, a _____ size rod shall be used.
 - 3/8 inch
 - 1/2 inch

Quiz 8

1. Unions shall be permitted to be used in drainage piping _____.
 - where accessible
 - where located in the trap seal
 - between a fixture and its trap
 - all of the answers provided
2. In the vent system, a union is allowed if it's aboveground.
 - True
 - False
3. Unions are allowed in wet vents.
 - True
 - False
4. Unions are allowed in water systems.
 - True
 - False
5. Galvanized steel street fittings can be used as drainage fittings.
 - True
 - False