

Complete the study material by answering the questions with a single selection using an open code book. At the end of the course, fill in your information and submit the form to Forward Slash Development LLC. This course has 30 questions and is worth 1 continuing education credit.

1. "Floor sink" means a receptor for the discharge from _____ waste piping installed with its flood level rim even with the surrounding floor.
 - indirect
 - local
 - both of the above

2. "Mechanical joint" means a connection between pipes, fittings or pipes and fittings by means of a device, coupling, fitting or adaptor where compression is applied around the center line of the pieces being joined, but which is not_____
 - caulked
 - threaded
 - solvent cemented
 - all of the above

3. "Potable water" means the water is
 - safe for drinking
 - free from impurities present in amounts sufficient to cause disease or harmful physiological effects
 - both of the above

4. "_____" means a vent which permits additional circulation of air in or between drain and vent systems.
 - Common vent
 - Individual vent
 - Relief vent
 - Main vent

5. "Stack" means a _____ pipe that extends vertically one full story or more
 - drain
 - vent
 - both of the above

6. For testing a drain and vent system, if an air test is to be used, forcing air into the system until there is a uniform gauge pressure of ___ pounds per square inch or the amount sufficient to balance a column of mercury 10" in height would be required.

3

4

5

6

7. In order to re-use plumbing fixtures when the intended use involves an equal degree of hazard as the previous use, it must be approved by _____

the local plumbing inspector

the owner of the building by written consent

both of the above

8. Where there is not a municipal ordinance in place requiring a larger size, the minimum size of a private interceptor main sewer shall be ___ inches.

3

4

5

6

9. For an intermittent flow residential clothes washer the drainage fixture unit value would be _____ dfu

1

2

3

4

10. The minimum trap size for a residential clothes washer in a dwelling is ___ inch

1 1/2

2

none of the above

11. The top of a building sewer which discharges to a _____ shall be located at a depth of not less than 18" below finished grade.
- septic tank
 - holding tank
 - grease interceptor
 - all of the above
12. A Tracer wire placed as a means to locate buried non-metallic sewers discharging to municipal mains sewers, could be accomplished in accordance with which one of these options
- a 6' length of tracer wire per 12' of piping
 - a red tracer wire 12" above the non-metallic pipe
 - a green 18 gauge, insulated single-conductor copper wire or equivalent
 - conductive warning tape in lieu of the tracer wire
13. Vents provided for interior sanitary sumps shall connect either to the sump above the drain inlet or to the drain inlet within _____ inches of the sump.
- 12
 - 16
 - 24
 - 36
14. The maximum developed length between a 2" trap and the vent for it, would be _____ feet, where the pitch of the fixture drain is 1/4" per foot.
- 4
 - 6
 - 8
 - 12
15. A common vent may serve a maximum of _____ fixtures where both fixture drains connect to a vertical drain at the same elevation.
- 2
 - 4
 - 6

16. The maximum capacity of stormwater horizontal conveyance piping made of concrete meeting ASTM C76, or ASTM C14 that is 12 inches in diameter and having a pitch of 1/8" per foot would be ____ gallons per minute.
- 820
 - 1150
 - 1630
 - 2310
17. In a campground, the sewer drain from a recreational vehicle shall discharge to a minimum 3 inch diameter campsite receptor.
- True
 - False
18. In a campground one campsite receptor shall be designed to serve no more than 4 recreational vehicles.
- True
 - False
19. The discharge of the condensate from a high efficiency furnace or water heater can be discharged to_____
- a powts
 - a municipal sanitary sewer
 - a combined sanitary-storm sewer
 - any of the above
20. In a building where there are water supply systems having different degrees of hazard, a hose bibb intended to discharge water that does not meet drinking water quality as specified in Comm 82.70, shall be _____
- capped
 - equipped with a removable key handle
 - removed

21. The fixture supplies serving which of the following can be 1/2 inch.
- syphon-jet type urinals
 - flushometer type water closets
 - residential-type clothes washer
 - all of the above
22. The fixture supply connector located downstream of a water cooler which individually serves a faucet or outlet may not exceed more than _____ in developed length.
- 24 inches
 - 36 inches
 - 6 feet
 - 10 feet
23. Before a newly constructed water supply system is to be put into use, the piping of the system shall be filled with water and allowed to stand for ____ hours.
- 8
 - 12
 - 24
 - 48
24. Unless a wastewater treatment system downstream of an ion exchange water softener, used primarily for water hardness reduction that, during regeneration discharges a brine solution, specifically documents the reduction of _____ the softener shall be of a demand initiated regeneration type instead of on a timer.
- iron
 - rust
 - hardness
 - chlorides
25. An acceptable cross-connection control device for a backpressure situation of a continuous high hazard would be
- Dual check valve type with atmospheric port backflow preventer
 - Pipe applied atmospheric type vacuum breaker
 - Air gaps (ASME A112.1.2)

26. A hospital is required to have at least 2 water services.
The 2 water services cannot connect to different mains if more than 1 is available.
- True
False
27. The termination of the water service for a manufactured home shall
- Be at least 6 inches above the surrounding finished grade
be higher than the termination for the sewer connection for the mfg. home
both of the above
none of the above
28. The connection of the drain piping to a fixture or appliance shall be considered a point of support as far as meeting the support intervals required.
- True
False
29. Pex (crosslinked polyethylene) is required to be supported at intervals of ____ or less in horizontal runs.
- 2 feet
2 2/3 feet
3 feet
4 feet
30. Polyvinyl Chloride (PVC) pipe is required to have supports every ____ in a vertical run.
- 4 feet
6 feet
8 feet
10 feet

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