

TEXAS STATE BOARD OF PLUMBING EXAMINERS
RESIDENTIAL UTILITIES INSTALLER VERIFICATION OF TRAINING AFFIDAVIT

Last Name (print) _____ First _____ M.I. _____

Address _____ City/State _____ Zip _____

Plumber's Apprentice Registration # _____ Daytime Telephone# (_____) _____

INSTRUCTIONS: The above named applicant for registration must circle the correct answer for each of the following 25 questions. Following each question is a note indicating where to find the correct answer. Following question number 25, a space is provided for the applicant to sign and verify that the applicant has received the necessary training (in those subjects indicated by the questions) for the registration and that the applicant personally answered each of the 25 questions. This Verification of Training Affidavit must be submitted to the Texas State Board of Plumbing Examiners, P.O. Box 4200, Austin, TX, 78765.

PLUMBING LICENSE LAW

1. "Residential Utilities Installer" means a person who has fulfilled the requirements of and is registered with the Board, and who constructs and installs: *(refer to Sec.1301.002, Plumbing License Law)*
 - A. building sewers only.
 - B. residential lawn irrigation systems.
 - C. yard water service piping for one-family or two-family dwellings and building sewers.
 - D. both A and B.

2. A violation of the Plumbing License Law or Board Rules is a: *(refer to Sec.1301.508, Plumbing Lic.Law)*
 - A. class B felony and \$1000.00 fine.
 - B. class A felony and \$2000.00 fine.
 - C. class C misdemeanor.
 - D. class A misdemeanor.

BOARD RULES

3. A detached structure designed for the residence of a single family and not designed for transient guests is a/an: *(refer to Board Rule, Chapter 361.1)*
 - A. apartment complex.
 - B. nursing home.
 - C. one family dwelling.
 - D. two family dwelling.

4. A detached structure with separate means of egress designed for the residence of two families (duplex) and not designed for transient guests is a/an: *(refer to Board Rule, Chapter 361.1)*
 - A. apartment complex.
 - B. nursing home.
 - C. one family dwelling.
 - D. two family dwelling.

5. Building supply piping carrying potable water from the meter to the point of connection to the water distribution system at the building is a: *(refer to Board Rule, Chapter 361.1)*
 - A. building sewer.
 - B. yard water service piping.
 - C. yardline.
 - D. gas or water line.

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6. If a licensee or registrant changes his or her name or address, the licensee or registrant: *(refer to Board Rule, Chapter 365.8)*
- A. is no longer eligible to move to the next level of license or registration.
 - B. can rely on the Board to find out about the change on its own.
 - C. shall inform the Board in writing of the change.
 - D. may not renew the license or registration.

PLUMBING CODE (Note: "UPC" means the Uniform Plumbing Code 2000 edition and "IPC" means the International Plumbing Code 2000 edition.)

7. The fall of a line of pipe in reference to a horizontal plane is called: *(refer to UPC or IPC Chapter 2)*
- A. elevation.
 - B. depth.
 - C. slope.
 - D. rise.
8. The building supply pipe, the water distributing pipes and the necessary connecting pipes, fittings, control valves, and all appurtenances carrying or supplying potable water in or adjacent to the building or premises is called a: *(refer to UPC or IPC Chapter 2)*
- A. water main.
 - B. water supply system.
 - C. water distribution pipe.
 - D. drainage system.
9. Water which is satisfactory for drinking, culinary, and domestic purposes and meets the requirements of the health authority having jurisdiction is called: *(refer to UPC or IPC Chapter 2)*
- A. waste water.
 - B. reclaim water.
 - C. non portable water.
 - D. potable water.
10. The requirements of the plumbing codes shall apply to: *(refer to UPC or IPC Chapter 1)*
- A. new commercial installation only.
 - B. replacement of 5 feet or more of sewer pipe only.
 - C. installation, alteration, repairs, maintenance, addition to any plumbing system.
 - D. A and B only.
11. A Cross Connection is: *(refer to UPC or IPC Chapter 2)*
- A. any connection between a potable water supply system and non-potable, polluted, contaminated water system.
 - B. any connection between a building drain and the building sewer.
 - C. any connection between two City potable water systems.
 - D. B and C only.
12. There shall be no rocks, boulders, frozen earth or other construction materials within the first _____ of top of pipe when the trench is back filled. *(refer to UPC or IPC Chapter 3)*
- A. 10 inches
 - B. 12 inches
 - C. 18 inches
 - D. 24 inches

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13. Trenches deeper than the footing of any building and paralleling the same shall not extend below the _____ bearing plane of the footing. (*refer to UPC or IPC Chapter 3*)
- A. 15 degree
 - B. 30 degree
 - C. 45 degree
 - D. 60 degree
14. The minimum size for water service pipe shall be: (*refer to UPC or IPC Chapter 6*)
- A. ½ inch.
 - B. ¾ inch.
 - C. 1 inch.
 - D. 1 ½ inches.
15. The minimum depth of water service piping shall be: (*refer to UPC or IPC Chapter 3*)
- A. 8 inches.
 - B. 10 inches.
 - C. 12 inches.
 - D. 14 inches.
16. When water pressure exceeds _____, a pressure reducing valve must be installed. (*refer to UPC or IPC Chapter 6*)
- A. 40 P.S.I.
 - B. 60 P.S.I.
 - C. 80 P.S.I.
 - D. 100 P.S.I.
17. Upon completion of the water supply system or a section there of, the system, or portion completed shall be tested and proved tight under a water pressure not less than: (*refer to UPC Chapter 6 or IPC Chapter 3*)
- A. 60 P.S.I.
 - B. 70 P.S.I.
 - C. 120 P.S.I.
 - D. system working pressure.
18. Where water and sewer pipe are placed in the same trench, the water pipe should be placed a minimum of _____ above the top of the sewer line. (*refer to UPC or IPC Chapter 6*)
- A. 12 inches
 - B. 14 inches
 - C. 16 inches
 - D. 18 inches
19. Solders and fluxes used in potable water supply systems shall have a maximum lead content of: (*refer to UPC or IPC Chapter 6*)
- A. 0.2%.
 - B. 2.0%.
 - C. 0.02%.
 - D. 8.0%.

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20. Which piping material is not approved for potable water supply? (*refer to UPC or IPC Chapter 6*)
- A. CPVC.
 - B. copper
 - C. lead.
 - D. ductile iron.
21. A _____ valve shall be installed on the discharge side of every water meter. (*refer to UPC or IPC Chapter 6*)
- A. full-open
 - B. half-open
 - C. gate
 - D. ball
22. On copper water piping the ends of the piping must be: (*refer to UPC Chapter 3 or IPC Chapter 6*)
- A. crimped.
 - B. reamed to full bore.
 - C. painted.
 - D. threaded.
23. All fluxes used in solder joints on copper water tube must be water soluble and meet: (*refer to UPC Chapter 14 or IPC Chapter 6*)
- A. ASTM B 44 standard.
 - B. ASTM B 813 standard.
 - C. ASTM G 52 standard.
 - D. ASTM A 800 standard.
24. The minimum slope for 4 inch horizontal drainage piping shall be: (*refer to UPC Chapter 7 or IPC Chapter 7*)
- A. 1/16 inch per foot.
 - B. 1/8 inch per foot.
 - C. 1/4 inch per foot.
 - D. 1/2 inch per foot.
25. All horizontal drainage piping shall be installed in practical alignment and: (*refer to UPC Chapter 7 or IPC Chapter 7*)
- A. uphill slope.
 - B. uniform slope.
 - C. erratic slope.
 - D. varying slope

By my signature below, I am stating that I have received the necessary training (in the subjects indicated by the above questions) to be registered as a Residential Utilities Installer and that I have personally answered each of the 25 questions. I understand that any false statement on this or any other document submitted to the Texas State Board of Plumbing Examiners may result in a fine and the revocation of any registrations or licenses that may be issued to me by the Texas State Board of Plumbing Examiners.

Printed Name of Applicant _____

Signature of Applicant _____ **Date** _____