



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### PLUMBING (C-36)

#### Content of the Examination

The Plumbing (C-36) Examination is divided into five major sections:

#### 1. Planning and Estimation (21%)

- Plan reading
- Bidding
- Pipe sizing
- Water conservation

#### 2. Rough-in and Top-out Plumbing Systems (27%)

- Underground installations
- Piping layout
- Piping installation
- Fuel gas piping
- Residential fire sprinklers

#### 3. Finish Plumbing Installations (14%)

- Plumbing fixtures
- Water heaters
- Shut-off valves
- Specialty installations
- Industrial piping

#### 4. Service, Repair, and Remodel Plumbing Systems (20%)

- Troubleshooting plumbing
- Isolating leaks and damage
- Repairing plumbing
- Retrofitting plumbing

#### 5. Safety (18%)

- Job site safety
- Personnel safety
- Public safety

*\*Percentages are approximate\**

#### Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk

#### Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

## Sample Questions

Below are three typical examination questions.  
The correct answer is underlined.

1. What type of wall fitting should a contractor use to install a wall-mounted water closet?
  - a. A hubless closet ring
  - b. An approved spud fitting
  - c. An approved closet flange
  - d. An approved carrier fitting
  
2. What is the total charge for four 8-hour days' use of a backhoe, if the cost for rental is \$400 per day and operator cost is \$30 per hour?
  - a. \$3,200
  - b. \$2,560
  - c. \$1,840
  - d. \$1,600
  
3. Temperature relief valves must have what transitional length before PEX is used?
  - a. 15"
  - b. 18"
  - c. 24"
  - d. 36"

*\*All questions are written and reviewed by licensed contractors who are actively working in the trade\**

## Resources

*Publisher information for reference books and code is provided below. Other sources for reference books may be found online. **California code books can be viewed online:***  
**[www.bsc.ca.gov](http://www.bsc.ca.gov)**

**2016 California Building Code.** California Code of Regulations, Title 24. International Code Council.  
PHONE: (800) 786-4452  
INTERNET: [www.iccsafe.org](http://www.iccsafe.org)

### **2016 California Mechanical Code.**

California Code of Regulations, Title 24.  
International Association of Plumbing and Mechanical Officials (IAPMO).  
PHONE: (800) 854-2766  
INTERNET: [www.iapmo.org](http://www.iapmo.org)

**2016 California Plumbing Code.** California Code of Regulations, Title 24. International Association of Plumbing and Mechanical Officials (IAPMO).  
PHONE: (800) 854-2766  
INTERNET: [www.iapmo.org](http://www.iapmo.org)

**NFPA 13D: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (2016).** National Fire Protection Association.  
PHONE: (800) 344-3555  
INTERNET: [www.nfpa.org](http://www.nfpa.org)  
VIEW ONLINE: [www.nfpa.org](http://www.nfpa.org)

**State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2015.** California Code of Regulations, Title 8. Mancomm.  
PHONE: (877) 626-2666  
INTERNET: [www.mancomm.com](http://www.mancomm.com)  
VIEW ONLINE:  
[www.dir.ca.gov/dosh/LawsAndRegulations.htm](http://www.dir.ca.gov/dosh/LawsAndRegulations.htm)

**2016 Underground Service Alert Guidelines.** California Government Code 4216 and California Business & Professions Code 7110.  
PHONE: (800) 227-2600 OR 811  
INTERNET: [www.usanorth.org](http://www.usanorth.org) OR  
[www.digalert.org](http://www.digalert.org)

*\*Publisher information is current as of 12/16\**