PLUMBING (C-36)

Content of the Examination

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

1. Planning and Estimating (22%)
   - Scope of work and code compliance
   - Pipe sizing and venting requirements
   - Shop drawings, plans, and specifications
   - Job site inspections
   - Coordination of projects
   - Water conservation
   - Cost estimation for materials, equipment, labor, and overhead

2. Underground and Rough Systems (24%)
   - Excavation and underground installations
   - Piping layout and installation
   - Fuel gas piping
   - Insulation and system testing

3. Finish Plumbing Installations (18%)
   - Plumbing fixtures and appliances
   - Water heaters
   - Shut-off valves
   - Specialty installations
   - Industrial and commercial piping and sanitary systems

4. Service, Repair, and Remodel Plumbing Systems (19%)
   - Troubleshoot plumbing issues
   - Isolate leaks and damage
   - Repair plumbing
   - Retrofit plumbing
   - Disposal of plumbing materials

<table>
<thead>
<tr>
<th>Section</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning and Estimating</td>
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</tr>
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<tr>
<td>Safety</td>
<td>17%</td>
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*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 marked with an asterisk (*).

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 the operator cost is $70 per hour?
   a. $5,440
   b. $3,840*
   c. $2,640
   d. $2,160

3. When installing a water filtration system for domestic use, what agent is commonly used for taste and odor control?
   a. Lime
   b. Carbon*
   c. Nitrogen
   d. Copper sulphate

*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.dgs.ca.gov/bsc

PHONE: (800) 786-4452
INTERNET: www.iccsafe.org

PHONE: (909) 472-4100
INTERNET: www.iapmo.org

PHONE: (909) 472-4100
INTERNET: www.iapmo.org

PHONE: (916) 654-2852
INTERNET: www.dot.ca.gov/manuals

PHONE: (877) 626-2666
INTERNET: www.mancomm.com
VIEW ONLINE: www.dir.ca.gov/dosh/LawsAndRegulations.htm

PHONE: (800) 642-2444 OR (800) 422-4133 OR 811
INTERNET: www.usanorth811.org OR www.digalert.org

*Publisher information is current as of 5/21*