



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



SWIMMING POOL (C-53)

Content of the Examination

The Swimming Pool (C-53) Examination is divided into eight major sections:

1. Planning and Estimation (28%)

- Review plans and specifications
- Estimate equipment and material

2. Swimming Pool/Spa Shell Construction (31%)

- Permitting
- Rough plumbing and electrical
- Site preparation and excavation
- Steel placement and bonding
- Guniting/shotcrete placement and curing

3. Pool/Spa Systems Installation (10%)

- Plumbing
- Electrical
- Equipment installation
- Solar thermal/photovoltaic

4. Non-Concrete Pools/Spas and Extra Pool/Spa Features (3%)

- Fiberglass, vinyl, and metal
- Pool covers
- Water features
- Pool/spa accessories

5. Pool/Spa Shell Finishing (8%)

- Interior finish and startup
- Tile and coping
- Decking

6. Commercial Swimming Pools/Spas (3%)

- Title 22 and other code requirements
- Disabled access features

7. Pool/Spa Repair, Renovation, Removal, and Maintenance (7%)

- Water loss and discoloration
- Structural modifications
- Equipment and systems

8. Safety (10%)

- Swimming pool/spa safety
- Job site safety

Percentages are approximate

Test Policy

This is a closed-book examination. No reference materials may be used during the examination.

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. When establishing the elevation of a swimming pool bond beam on a residential pool, which of the following must be considered?
 - a. Bond beam width and coping thickness
 - b. Bond beam width and pool depth
 - c. Deck drainage and coping thickness*
 - d. Deck drainage and pool depth

2. What is the flow rate in gallons per minute for a 14,400-gallon pool to turn over in six hours?
 - a. 40 gpm*
 - b. 80 gpm
 - c. 144 gpm
 - d. 240 gpm

3. Which of the following pipes is approved for underground gas lines?
 - a. Schedule 40 CPVC pipe
 - b. Polyethylene pipe*
 - c. Black iron pipe
 - d. Galvanized pipe

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

2022 California Building Code. California Code of Regulations, Title 24. International Code Council.

PHONE: (800) 786-4452

INTERNET: www.iccsafe.org

2022 California Electrical Code. California Code of Regulations, Title 24. BNI Publications, Inc.

PHONE: (888) 264-2665

INTERNET: www.bnibooks.com

2022 California Plumbing Code.

California Code of Regulations, Title 24.

International Association of Plumbing and Mechanical Officials (IAPMO).

PHONE: (909) 472-4100

INTERNET: www.iapmo.org

ANSI/APSP/ICC Books 1 through 16. Pool & Hot Tub Alliance.

PHONE: (703) 838-0083

INTERNET: www.phta.org

Builders Manual, Third Edition. Pool & Hot Tub Alliance.

PHONE: (703) 838-0083

INTERNET: www.phta.org

Shotcrete for the Craftsman. American Concrete Institute.

PHONE: (248) 848-3700

INTERNET: www.concrete.org

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA).

2022. California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: www.mancomm.com

VIEW ONLINE:

www.dir.ca.gov/dosh/LawsAndRegulations.htm

Uniform Swimming Pool, Spa, and Hot Tub Code, and Uniform Solar Energy and Hydronics Code.

International Association of Plumbing and Mechanical Officials (IAPMO).

PHONE: (909) 472-4100

INTERNET: www.iapmo.org

Publisher information is current as of 12/22