Content of the Examination

The Welding (C-60) Examination is divided into five major sections:

1. Planning and Estimating (21%)
   - Reviewing plans and specifications
   - Estimating equipment and materials
   - Identifying metals

2. Welding Preparation (21%)
   - Preparing job sites
   - Setting up welding equipment
   - Preparing materials

3. Welding, Brazing, and Soldering (27%)
   - Welding processes
   - Welding techniques
   - Post-welding procedures
   - Brazing and soldering

4. Cutting Processes (9%)
   - Setting up cutting equipment
   - Cutting techniques
   - Finishing requirements

5. Safety (22%)
   - Job site and equipment safety
   - Preventing fire hazards
   - Employee safety

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 is the MINIMUM thickness of steel that is covered by the AWS D1.1 Structural Steel welding code?
   
   a. 1/8"
   b. 1/4"
   c. 5/16"
   d. 3/8"

2. The total steel for a project weighs 2.5 tons. If the steel costs $38 per 100 pounds, how much will the steel cost for this project?
   
   a. $950
   b. $1,900
   c. $3,800
   d. $9,500

3. When welding with FCAW, how can the operator control excess spatter?
   
   a. Change the drag angle.
   b. Run stringer beads.
   c. Shorten the stickout.
   d. Lengthen the stickout.

*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)

PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

PHONE: (800) 323-0440  
INTERNET: [www.g-w.com](http://www.g-w.com)

PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

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)

PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

*Publisher information is current as of 3/19*