Content of the Examination

The Refrigeration (C-38) Examination is divided into five major sections:

1. Planning and Estimating (24%)
   - Planning refrigeration projects
   - Estimating refrigeration projects

2. Refrigeration System Installation (29%)
   - Job site preparation
   - Installing refrigeration equipment
   - Starting up refrigeration systems
   - Installing specialty refrigeration systems

3. Refrigeration System Repair (24%)
   - Troubleshooting refrigeration systems
   - Troubleshooting electrical problems
   - Repairing refrigeration systems

4. Refrigeration System Maintenance (13%)
   - Maintaining refrigeration systems
   - Documenting code compliance

5. Safety (10%)
   - Personnel safety
   - Job site 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. Where must the emergency control be installed for a refrigeration room?
   a. Immediately next to the exit door of the building
   b. Immediately outside the refrigeration room’s exit
   c. Within 10 feet of the main control panel
   d. Within 25 feet of the main control panel

2. Metering devices are sized to which system component’s BTU rating?
   a. The compressor
   b. The condensing unit
   c. The evaporator
   d. The receiver

3. A contractor is bidding to install a walk-in cooler and finds that the compressor costs $4,600 and the piping is $5.76/foot for 200 feet of pipe. If this is 40% of the contract, what is the contract’s total bid price?
   a. $5,752
   b. $9,204
   c. $10,360
   d. $14,380

*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: (909) 472-4100
INTERNET: www.iampo.org

California Health & Safety Code.
INTERNET: www.leginfo.legislature.ca.gov

INTERNET: www.mypearsonstore.com

Modern Refrigeration and Air Conditioning.
Goodheart-Willcox.
PHONE: (800) 323-0440
INTERNET: www.g-w.com

Refrigeration & Air Conditioning Technology.
Cengage Learning.
PHONE: (800) 354-9706
INTERNET: www.cengage.com

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

*Publisher information is current as of 9/19*