LOCK AND SECURITY EQUIPMENT (C-28)

Content of the Examination

The Lock and Security Equipment (C-28) Examination is divided into six major sections:

1. Planning and Estimation (25%)
   - Plans and specifications
   - Site survey
   - System design
   - Project and material costs

2. Install, Repair, and Maintain Doors and Hardware (20%)
   - Locks, hardware, and closing devices
   - Exit devices
   - Doors and frames

3. Install, Repair, and Maintain Electronic Locking Systems (18%)
   - Wiring
   - Locking and operating hardware/software
   - Controls, surveillance, and accessories

4. Install, Repair, and Maintain Mechanical Locking Systems (18%)
   - Lock cylinders
   - Key generation
   - Lock bypass

5. Install, Repair, and Maintain Safes, Vaults, and Other Security Containers (5%)
   - Safe installation
   - Safe repair
   - Safe deposit locks
   - Drilling/penetrating safes

6. Safety (12%)
   - Protective gear
   - Power tools and equipment
   - Safely work in elevated areas

*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. Which item would prevent an exit device from being fire-rated?
   a. Plastic end caps  
   b. Dogging assembly  
   c. Surface-mounted vertical rods  
   d. Rim cylinder

2. Which pair of hardware finishes are the same?
   a. 605 and US5  
   b. 606 and US3  
   c. 613 and US10B  
   d. 626 and US26

3. When selecting a power supply for a job using four 0.75 amp electromagnetic locks, which is the BEST power supply?
   a. 0.75 amp  
   b. 1.5 amps  
   c. 2.0 amps  
   d. 4.0 amps

*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

INTERNET: www.iccsafe.org

INTERNET: www.iccsafe.org

Basic Architectural Hardware. Door and Hardware Institute. PHONE: (703) 222-2010
INTERNET: www.dhi.org

INTERNET: www.mhprofessional.com

Keying Systems and Nomenclature. Door and Hardware Institute. PHONE: (703) 222-2010
INTERNET: www.dhi.org

INTERNET: www.nfpa.org

INTERNET: www.nfpa.org

INTERNET: www.mancomm.com

Ugly’s Electrical References. 2014. Jones & Bartlett Learning. PHONE: (800) 832-0034
INTERNET: www.uglys.net

*Publisher information is current as of 12/16*