



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



ELEVATOR (C-11)

Content of the Examination

The Elevator (C-11) Examination is divided into four major sections:

- 1. Planning and Estimating (17%)**
 - Plan conveyance projects
 - Estimate conveyance projects
 - Preliminary setup and permitting
- 2. Conveyance System Installation (34%)**
 - Disassembly and removal
 - Installation of equipment
 - Install finishes
 - Electrical adjusting and testing
- 3. Conveyance Repair, Maintenance, and Modernization (24%)**
 - Maintenance of elevators, dumbwaiters, lifts, escalators, and moving walks
 - Service/trouble calls for elevators, dumbwaiters, lifts, escalators, and moving walks
 - Repair of elevators, dumbwaiters, lifts, escalators, and moving walks
- 4. Safety (25%)**
 - Employee 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. Increasing the length of the slowdown profile for a hydraulic elevator tends to create which of the following conditions?
 - a. A reduction in oil temperature
 - b. An increase in oil temperature*
 - c. A reduction in motor torque
 - d. An increase in motor torque
2. What does a reddish material coming from the rollers and between the links of an escalator step chain indicate?
 - a. There is overlubrication.
 - b. There is a lack of lubrication.*
 - c. The step chain is too tight.
 - d. This is the normal operating condition.
3. In a residential elevator, assume the traveling cable costs \$9 per foot and cable hangers cost \$19. Two cable hangers are needed. What is the total cost of the material with a length of 52 feet?
 - a. \$468
 - b. \$487
 - c. \$506*
 - d. \$525

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

ASME A17.1 Safety Code for Elevators and Escalators. 2004. The American Society of Mechanical Engineers.
PHONE: (800) 843-2763
INTERNET: www.asme.org

ASME A17.2 Guide for Inspection of Elevators, Escalators, and Moving Walks. 2010. The American Society of Mechanical Engineers.
PHONE: (800) 843-2763
INTERNET: www.asme.org

ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. 2003. The American Society of Mechanical Engineers.
PHONE: (855) 999-9870
INTERNET: www.techstreet.com

Elevator Industry Field Employees' Safety Handbook. 2020. Elevator World, Inc.
PHONE: (251) 479-4514
INTERNET: elevatorbooks.com

Elevator Safety Orders. Title 8, Division 1, Chapter 4, Subchapter 6. California Code of Regulations.
PHONE: (800) 888-3600
INTERNET: oal.ca.gov/publications/ccr
VIEW ONLINE: www.dir.ca.gov/title8/sub6.html

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2024. California Code of Regulations, Title 8. Mancomm.
PHONE: (877) 626-2666
INTERNET: www.mancomm.com
VIEW ONLINE:
www.dir.ca.gov/dosh/LawsAndRegulations.htm

Publisher information is current as of 4/24