

Examen de práctica CSLB C-10 Electrical Contractor

20 preguntas de práctica originales para el examen de licencia de contratista de California, con clave de respuestas y explicaciones.

Formato

Opción múltiple: 4 opciones y una mejor respuesta

Temas

Agrupadas por las áreas temáticas que publica la CSLB

Banco de preguntas

Última actualización: octubre de 2026

Cómo usar esta prueba

1. Responde las 20 preguntas sin apuntes: el examen de la CSLB no permite materiales de consulta.
2. Revisa la clave de respuestas al final y lee la explicación de cada error.
3. Haz la misma prueba en línea, con explicaciones al instante y resultado por tema:

test2pro.com/es/free-practice-tests/c10-electrical-contractor



Escanea para hacerla
en línea

Áreas temáticas del examen y su peso aproximado

Planning and Estimating	28%
Rough Wiring	27%
Finish Wiring and Trim	11%
Startup, Troubleshooting, and Maintenance	16%
Safety	18%

Test2Pro ofrece solo preparación en línea; la CSLB y PSI se encargan de la programación, el examen, la licencia y los resultados. Son preguntas de práctica originales, no preguntas reales del examen de la CSLB.

Preguntas

1 ROUGH WIRING

How should a cable shield used for electromagnetic-interference control be terminated?

- (A) Connected in series with a signal conductor
 - (B) Connected to an ungrounded supply conductor
 - (C) Left electrically isolated at both ends
 - (D) Grounded according to the equipment instructions
-

2 ROUGH WIRING

Which solid insulation color may identify a grounded neutral conductor in branch-circuit wiring?

- (A) Black
 - (B) Green
 - (C) Gray
 - (D) Red
-

3 ROUGH WIRING

What is the minimum permitted length of a rod electrode used for grounding?

- (A) 6 ft
 - (B) 7 ft
 - (C) 8 ft
 - (D) 10 ft
-

4 ROUGH WIRING

Which conductor classification means that it has no covering or electrical insulation?

- (A) Covered conductor
 - (B) Insulated conductor
 - (C) Bare conductor
 - (D) Shielded conductor
-

5 ROUGH WIRING

Which grounding electrode is commonly called an Ufer ground?

- (A) A concrete-encased electrode
 - (B) A driven rod electrode
 - (C) A ground-ring electrode
 - (D) A metal underground water-pipe electrode
-

6 FINISH WIRING AND TRIM

On a general-use lighting snap switch, which pair of units expresses its main electrical ratings?

- (A) Volts and amperes
 - (B) Volts and watts
 - (C) Amperes and watts
 - (D) Watts and volt-amperes
-

7 FINISH WIRING AND TRIM

Which marking is required on a luminaire installed outdoors where it is directly exposed to rain?

- (A) Suitable for wet locations
 - (B) Suitable for damp locations
 - (C) Dry locations only
 - (D) For indoor use only
-

8 STARTUP, TROUBLESHOOTING, AND MAINTENANCE

Which action checks a GFCI receptacle using its built-in trip test?

- (A) Measure insulation resistance with a megohmmeter
 - (B) Press RESET and leave the receptacle energized
 - (C) Measure the line voltage with a voltmeter
 - (D) Press TEST and confirm that the receptacle loses power
-

9 STARTUP, TROUBLESHOOTING, AND MAINTENANCE

What electrical quantity is a voltmeter designed to measure?

- (A) Current
 - (B) Voltage
 - (C) Power
 - (D) Resistance
-

10 STARTUP, TROUBLESHOOTING, AND MAINTENANCE

What energy conversion occurs in an electric motor while it drives a load?

- (A) Electrical energy to mechanical energy
 - (B) Mechanical energy to electrical energy
 - (C) Electrical energy to chemical energy
 - (D) Chemical energy to mechanical energy
-

11 PLANNING AND ESTIMATING

What is 2.5 MW expressed in watts?

- ☐ (A) 2,500,000 W
 - ☐ (B) 2,500 W
 - ☐ (C) 250,000 W
 - ☐ (D) 25,000,000 W
-

12 PLANNING AND ESTIMATING

Whose meter-location requirements should an electrical contractor confirm before installing a new electric service?

- ☐ (A) The local building department
 - ☐ (B) The property owner
 - ☐ (C) The Contractors State License Board
 - ☐ (D) The serving electric utility
-

13 PLANNING AND ESTIMATING

For a load to meet the code definition of continuous, how long must its maximum current be expected to continue?

- ☐ (A) 4 hours or more
 - ☐ (B) 3 hours or more
 - ☐ (C) 1 hour or more
 - ☐ (D) 2 hours or more
-

14 PLANNING AND ESTIMATING

Which PV-module nameplate symbol identifies its rated maximum output power?

- ☐ (A) Voc
 - ☐ (B) Pmax
 - ☐ (C) Isc
 - ☐ (D) Vmp
-

15 PLANNING AND ESTIMATING

Which environmental resource is essential when estimating the energy a photovoltaic system can produce at a site?

- ☐ (A) Annual snowfall
 - ☐ (B) Annual rainfall
 - ☐ (C) Available sunlight
 - ☐ (D) Prevailing wind
-

16 PLANNING AND ESTIMATING

A specification calls for ADA-compliant electrical controls. What does this requirement mean?

- (A) The controls meet the applicable fire-resistance requirements
 - (B) The controls meet the applicable energy-efficiency requirements
 - (C) The controls meet the applicable utility-metering requirements
 - (D) The controls meet the applicable Americans with Disabilities Act accessibility requirements
-

17 SAFETY

Which placement is appropriate for an equipment safety tag?

- (A) In a clearly visible position
 - (B) Behind a removable equipment cover
 - (C) Inside a closed document pocket
 - (D) On the maintenance record only
-

18 SAFETY

A spider or swing stage uses independent lifelines for personal fall protection. When must a worker stay attached while working from the platform?

- (A) Only when more than 30 ft above the lower level
 - (B) Only when more than 10 ft above the lower level
 - (C) Throughout the work on the platform
 - (D) Only while the platform is being raised or lowered
-

19 SAFETY

When is it acceptable to carry a power tool by its electrical cord or air hose?

- (A) When the tool is disconnected
 - (B) For a short distance
 - (C) Never
 - (D) When the tool weighs less than 5 lb
-

20 SAFETY

Which listed color is acceptable as the background material of required high-visibility apparel for roadway work?

- (A) White
 - (B) Black
 - (C) Fluorescent orange-red
 - (D) Dark red
-

Clave de respuestas y explicaciones

#	RESPUESTA	POR QUÉ
1	D	The shield needs the grounding or bonding connection specified for the system to control interference. The required connection at one or both ends depends on the cable system and equipment instructions.
2	C	White or gray insulation identifies a grounded conductor, including a neutral. Green identifies an equipment grounding conductor.
3	C	A rod grounding electrode must be at least 8 ft long. The installation must also provide at least 8 ft of electrode contact with the soil.
4	C	A bare conductor has neither a covering nor electrical insulation. A covered conductor has a covering that is not recognized as electrical insulation.
5	A	Ufer ground is the common trade name for a concrete-encased grounding electrode. It uses qualifying conductive material encased in concrete in contact with the earth.
6	A	A general-use snap switch is rated for operating voltage in volts and switched current in amperes.
7	A	Direct exposure to rain is a wet-location condition. The luminaire must be marked suitable for wet locations; a damp-location marking alone is insufficient.
8	D	Pressing TEST should trip the GFCI and interrupt power to its receptacle. Press RESET afterward to restore power if the device passes the test.
9	B	A voltmeter measures voltage, the electrical potential difference between two points. Current, power, and resistance are measured with other instrument functions.
10	A	An electric motor converts electrical input energy into mechanical output energy to drive a load.
11	A	The prefix mega means one million, so $2.5 \text{ MW} = 2.5 \times 1,000,000 \text{ W} = 2,500,000 \text{ W}$.
12	D	Coordinate the proposed meter location with the serving utility before installing service equipment. The utility establishes its metering and access requirements; applicable building requirements also remain in force.
13	B	A continuous load is one whose maximum current is expected to continue for 3 hours or more. Merely leaving equipment energized for that long does not establish that its maximum current continues.
14	B	Pmax identifies rated maximum power. Voc is open-circuit voltage, Isc is short-circuit current, and Vmp is voltage at maximum power.
15	C	PV modules convert sunlight to electricity, so the available solar resource is fundamental to estimated energy production. Shading reduces the sunlight reaching the modules.
16	D	ADA compliance concerns the applicable accessibility requirements of the Americans with Disabilities Act. For covered controls, these can include accessible reach and operation.
17	A	A safety tag must be positioned where the affected workers can see its warning. Hiding it behind a cover or keeping it only with records defeats that purpose.

#	RESPUESTA	POR QUÉ
18	C	Personal fall protection is required during ordinary work on single- and two-point suspended scaffolds, not just above either listed height or while moving the platform. Cal/OSHA addresses special overhead-protection hazards and alternative safety measures separately.
19	C	Carry a power tool by its handle or an appropriate carrying point, never by its cord or hose. Using the cord or hose can damage the tool connection.
20	C	Fluorescent orange-red is an accepted high-visibility background color. Fluorescent yellow-green is also accepted; an ordinary orange shirt alone does not establish that the required safety apparel is compliant.

¿Listo para el banco completo de preguntas de C-10 Electrical Contractor?

1.3k+ preguntas de práctica en el curso completo, con simulacros con tiempo, repaso de errores y seguimiento de tu preparación: test2pro.com/es/online-classes/c10-electrical-contractor

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