FREE PRACTICE QUESTIONS · MASTER ELECTRICIAN (ESA) · ME

TEN FREE MASTER ELECTRICIAN EXAM PRACTICE QUESTIONS.

Edited by Trevor Mulder · Sources: OESC Rule numbers, Ontario e-Laws · Last checked October 23, 2026

Ten practice questions for Ontario's Master Electrician (ME) licensing exam, each with four options and one correct answer. ESA's Information Package describes the exam as 80 multiple-choice questions in three hours, in three sections of 33 per cent each: the Ontario Electrical Safety Code, Worker Safety, and Business Administration. These are original questions written by TicketPrep from the OESC rule numbers and the Ontario statutes; none of them comes from the exam. They are free to use, print and share. There is nothing to sign up for on this page.

01 How to use these

The questions come from the TicketPrep ME bank and follow ESA's sections in order: four from Section 1 (the Ontario Electrical Safety Code), three from Section 2 (Worker Safety) and three from Section 3 (Business Administration), each on a different one of our objectives. ESA publishes the three equal sections but not how many questions each has, so the split is ours. One of the ten is a calculation. Answer each one before opening the explanation. Every explanation covers all four options, because knowing *why* a wrong answer is wrong is most of the skill.

- **Pace.** 80 questions in three hours is 2 min 15 s per question. Try these at that pace, with the book open.
- **Books.** The exam is open book: ESA's Information Package allows printed copies of the latest OESC, the ME Exam Relevant Legislation book and the Guideline to the Duties and Responsibilities of LECs and DMEs, with a non-programmable calculator. The questions cite the Rule or section they rest on, so you can practise finding it.

- **Print.** The printed version shows the questions and the answer key without the explanations, so it works as a handout. The explanations are on the web page.
- **Mark.** ESA's pass rule has two parts: 70 per cent overall and at least 60 per cent in each section. Seven of ten here is 70 per cent; under ESA's rule, one weak section fails the exam even with a high total.

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02 The questions

Q1 · RECALL · SECTION 1 · ONTARIO ELECTRICAL SAFETY CODE

ESA issues a connection authorization to the supply authority for a new detached house on 2 March. Transformer delays mean the supply authority is not ready to connect the service until 15 October of the same year. Under Rule 2-012, what is the status of the authorization?

A. It has lapsed; it was valid for up to 6 months from issue

B. It is valid until the service is connected, however long

C. It is valid for 12 months from issue, so it still stands

D. It is valid if the LEC first gives ESA a fresh 48 h notice

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Q2 · RECALL · SECTION 1 · ONTARIO ELECTRICAL SAFETY CODE

An LEC proposes to wire a 200 A single-dwelling service with copper conductors whose insulation is rated 75 °C, sizing them from Ontario's Table 39. Is that permitted?

A. Yes; Table 39 limits the load to the 75 °C ampacity anyway

B. No; Table 39 may be used only for 90 °C-insulated conductors

C. Yes; Table 39 applies to any copper service at a single dwelling

D. No; Table 39 applies only to aluminum service conductors

Q3 · CALCULATION · SECTION 1 · ONTARIO ELECTRICAL SAFETY CODE

A two-storey motel without cooking facilities in its units measures 800 m² on outside dimensions and has 6000 W of banquet-room lighting. Heating is gas, and no other loads are included. What is the Rule 8-208 demand load?

A. 16 500 W

B. 17 600 W

C. 18 800 W

D. 22 000 W

Q4 · PROCEDURAL · SECTION 1 · ONTARIO ELECTRICAL SAFETY CODE

A building's power system uses two driven rods as its grounding electrode. A communications provider now drives its own rod at the same building. What does Rule 10-104 require of the new rod?

A. At least 3 m from the other electrodes, and interconnected with them

B. At least 2 m from the other electrodes, and interconnected with them

C. At least 2 m from the other electrodes, and isolated from them

D. At least 6 m from the other electrodes, and isolated from them

Q5 · PROCEDURAL · SECTION 2 · WORKER SAFETY

At an LEC's shop that has a joint committee, an electrician refuses to use a hydraulic cable-reel stand he believes is likely to endanger him, and reports it to his supervisor. Under OHSA s. 43(4), in whose presence must the supervisor investigate?

A. The electrician and a Ministry inspector called to the shop

B. The electrician and a certified member representing the LEC

C. The electrician and a worker member of the committee

D. The electrician and both co-chairs of the joint committee

Q6 · RECALL · SECTION 2 · WORKER SAFETY

An LEC is buying manufactured portable ladders for its construction crews. Under O. Reg. 213/91 s. 80(1), which ladders may it use at a project?

A. Any non-conductive ladder, whatever its CSA grade

B. Ladders meeting CSA Z11 Grade 1, 1A, 1AA or 2

C. Ladders meeting CSA Z11 Grade 1AA only

D. Ladders meeting CSA Z11 Grade 1, 1A or 1AA

Q7 · PROCEDURAL · SECTION 2 · WORKER SAFETY

In a factory, a maintenance electrician must trouble-shoot a fault on live 600 V conveyor controls because disconnecting them is not practical. Under Reg. 851 s. 42.1, must a rescue-capable competent person be available and able to see the worker?

A. Yes; the exemption covers diagnostic testing only

B. No; testing and trouble-shooting are exempt

C. Yes; it applies to any live work at 300 V or more

D. No; it applies only where the voltage exceeds 750 V

Q8 · PROCEDURAL · SECTION 3 · BUSINESS ADMINISTRATION

An LEC gives notice of adjudication to a general contractor and the two agree on a registry adjudicator, who has not consented four days after the notice. The subcontract names a different person as the adjudicator for any dispute. Under Construction Act s. 13.9, the LEC must

A. apply to the Superior Court of Justice for an order appointing an adjudicator

B. proceed with the adjudicator named in the subcontract

C. wait seven more days for the agreed adjudicator to consent

D. ask the Authorized Nominating Authority to appoint a registry adjudicator

Q9 · RECALL · SECTION 3 · BUSINESS ADMINISTRATION

An LEC's direct-agreement form for a homeowner's $9 800 service upgrade shows one lump-sum price. Under O. Reg. 17/05 s. 35 (1), besides the total payable and the payment terms, the agreement must set out

A. a description of the work, with the lump sum as the only price

B. a labour and materials split, with taxes left for the final invoice

C. the lump sum and the 10 % estimate tolerance that applies to it

D. an itemized price list for the goods and services, including taxes

Q10 · RECALL · SECTION 3 · BUSINESS ADMINISTRATION

An LEC apprentice employed for six months calls in sick for one day under Employment Standards Act, 2000 s. 50. The LEC's policy asks for a doctor's note for every sick day. What evidence may the LEC require?

A. Reasonable evidence other than a medical certificate

B. A note from a physician confirming the illness and its dates

C. A certificate from a registered nurse or a psychologist

D. No evidence at all, since sick days need no proof

03 Answer key

QUESTION	ANSWER	SECTION
Q1	A	Section 1 · Ontario Electrical Safety Code
Q2	B	Section 1 · Ontario Electrical Safety Code
Q3	B	Section 1 · Ontario Electrical Safety Code
Q4	B	Section 1 · Ontario Electrical Safety Code

QUESTION	ANSWER	SECTION
Q5	C	Section 2 · Worker Safety
Q6	D	Section 2 · Worker Safety
Q7	B	Section 2 · Worker Safety
Q8	D	Section 3 · Business Administration
Q9	D	Section 3 · Business Administration
Q10	A	Section 3 · Business Administration

04 More free questions

For the exam itself, the Ontario Master Electrician exam guide covers the three sections, the pass rule, the books you may bring and the fee, and the Master Electrician practice test page has five more sample questions and describes the full TicketPrep ME bank. Each section also has ten free questions of its own: Section 1, Section 2, Section 3. The same free format covers the electrical Red Seal trades too.

ME
Master Electrician practice test: five more questions

309A
Construction Electrician questions

442A
Industrial Electrician questions

HUB
All free practice questions

GUIDES
Exam guides and tools

How these questions are written and checked: how our questions are made. Found a mistake? Tell us and we will fix it. TicketPrep is an independent study site; it is not affiliated with ESA (the Electrical Safety Authority) or CSA Group. Nothing here is taken from the exam, and no

OESC text, table or definition is reproduced: the questions cite Rule numbers and explain each requirement in their own words.