

03/06/25/80 (CE12512-1) Theory

Construction Electrician

**Interprovincial
Qualification**

COUNSELLING INFORMATION

100 TOTAL QUESTIONS

Number of Questions

SECTION 1 COMMON OCCUPATIONAL SKILLS 11

Task 1	Performs safety-related functions.	2
Task 2	Uses tools and equipment.	2
Task 3	Organizes work.	2
Task 4	Fabricates and installs support components.	2
Task 5	Commissions and decommissions electrical systems.	2
Task 6	Uses communication and mentoring techniques.	1

SECTION 2 GENERATING SYSTEMS 28

Task 5	Installs, services and maintains consumer/supply services and metering equipment.	4
Task 6	Installs, services and maintains protection devices.	4
Task 7	Installs, services and maintains distribution equipment.	4
Task 8	Installs, services and maintains power conditioning, uninterruptible power supply (UPS) and surge suppression systems.	2
Task 9	Installs, services and maintains bonding and grounding protection systems.	4
Task 10	Installs, services and maintains power generation systems	2
Task 11	Installs, services and maintains renewable energy systems	2
Task 12	Installs, services and maintains high-voltage systems	2
Task 13	Installs, services and maintains transformers	4

SECTION 3 WIRING SYSTEMS 30

Task 14	Installs, services and maintains raceways, cables and enclosures.	9
Task 15	Installs, services and maintains branch circuitry.	9
Task 16	Installs, services and maintains heating, ventilating and air-conditioning (HVAC) systems.	4
Task 17	Installs, services and maintains electric heating systems.	4
Task 18	Installs, services and maintains exit and emergency lighting systems.	3
Task 19	Installs, services and maintains cathodic protection systems.	1

SECTION 4 MOTORS AND CONTROL SYSTEMS 21

Task 20	Installs, services and maintains motor starters and controls.	8
Task 21	Installs, services and maintains drives.	4
Task 22	Installs, services and maintains motors.	6
Task 23	Installs, programs, services and maintains automated control systems.	3

SECTION 5 COMMUNICATION SYSTEMS 10

Task 24	Installs, services and maintains signaling systems.	4
Task 25	Installs, services and maintains communication systems.	3
Task 26	Installs, services and maintains integrated control systems.	3

TIME ALLOWED 4 HOURS
PASS MARK 70%

- This is a multiple-choice type of examination.
- This information is to be used for candidate counseling purposes only.