

**03/06/21/70 (CE12171-1) Theory**

Electrician

**Interprovincial  
Qualification**

**COUNSELLING INFORMATION**

**100 TOTAL QUESTIONS**

Number of Questions

**SECTION 1 PERFORMS COMMON OCCUPATIONAL SKILLS 11**

Task 1	Performs safety-related functions.	3
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.	0

**SECTION 2 INSTALLS, SERVICES AND MAINTAINS GENERATING, DISTRIBUTION AND SERVICE SYSTEMS 29**

Task 7	Installs, services and maintains consumer/supply services and metering equipment.	5
Task 8	Installs, services and maintains protection devices.	5
Task 9	Installs, services and maintains distribution equipment.	4
Task 10	Installs, services and maintains power conditioning, uninterruptible power supply (UPS) and surge suppression systems.	1
Task 11	Installs, services and maintains bonding and grounding protection systems.	5
Task 12	Installs, services and maintains power generation systems.	2
Task 13	Installs, services and maintains renewable energy systems.	2
Task 14	Installs, services and maintains high voltage systems.	1
Task 15	Installs, services and maintains transformers.	4

**SECTION 3 INSTALLS, SERVICES AND MAINTAINS WIRING SYSTEMS 30**

Task 16	Installs, services and maintains raceways, cables and enclosures.	9
Task 17	Installs, services and maintains branch circuitry.	8
Task 18	Installs, services and maintains heating, ventilating and air-conditioning (HVAC) systems.	4
Task 19	Installs, services and maintains electric heating systems.	5
Task 20	Installs, services and maintains exit and emergency lighting systems.	3
Task 21	Installs, services and maintains cathodic protection systems.	1

**SECTION 4 INSTALLS, SERVICES AND MAINTAINS MOTORS AND CONTROL SYSTEMS 20**

Task 22	Installs, services and maintains motor starters and controls.	8
Task 23	Installs, services and maintains drives.	3
Task 24	Installs, services and maintains motors.	6
Task 25	Installs, programs, services and maintains automated control systems.	3

**SECTION 5 INSTALLS, SERVICES AND MAINTAINS SIGNALLING AND COMMUNICATION SYSTEMS 10**

Task 26	Installs, services and maintains signaling systems.	4
Task 27	Installs, services and maintains communication systems.	3
Task 28	Installs, services and maintains integrated control systems.	3

TIME ALLOWED 4 HOURS

PASS MARK 70%

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