

03-5/06/26/20 (CE12618-1) Theory

Industrial Electrician

**Interprovincial
Qualification**

COUNSELLING INFORMATION

100 TOTAL QUESTIONS

Number of Questions

SECTION 1 PERFORMS COMMON OCCUPATIONAL SKILLS 9

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.	1
Task 5	Commissions and decommissions electrical systems.	2
Task 6	Uses communication and mentoring techniques.	0

SECTION 2 GENERATING SYSTEMS 23

Task 7	Installs and maintains consumer/supply services and metering equipment.	3
Task 8	Installs and maintains protection devices.	4
Task 9	Installs and maintains low voltage distribution systems.	3
Task 10	Installs and maintains power conditioning systems.	2
Task 11	Installs and maintains bonding, grounding and ground fault detection systems.	3
Task 12	Installs and maintains power generating systems.	2
Task 13	Installs and maintains renewable energy generating and storage systems.	1
Task 14	Installs services and maintains high voltage systems.	2
Task 15	Installs and maintains transformers.	3

SECTION 3 WIRING SYSTEMS	20
Task 16 Installs and maintains raceways, cables, conductors and enclosures.	5
Task 17 Installs and maintains branch circuitry and devices.	5
Task 18 Installs and maintains heating, ventilation and air-conditioning (HVAC) electrical components.	3
Task 19 Installs and maintains electric heating systems and controls.	3
Task 20 Installs and maintains exit and emergency lighting systems.	2
Task 21 Installs and maintains cathodic protection systems.	2
 SECTION 4 ROTATING AND NON-ROTATING EQUIPMENT AND CONTROL SYSTEMS	 21
Task 22 Installs and maintains motor starters and control devices.	7
Task 23 Installs and maintains drives.	5
Task 24 Installs and maintains non-rotating equipment and associated controls.	3
Task 25 Installs and maintains motors.	6
 SECTION 5 SIGNALLING AND COMMUNICATION SYSTEMS	 10
Task 26 Installs and maintains signaling systems.	4
Task 27 Installs and maintains communication systems.	3
Task 28 Installs and maintains building automation systems.	3
 SECTION 6 PROCESS CONTROL SYSTEMS	 17
Task 26 Installs and maintains input/output (I/O) devices.	8
Task 27 Installs and maintains automated control systems.	6
Task 28 Installs and maintains pneumatic and hydraulic control systems.	3

TIME ALLOWED 4 HOURS

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