



## Industrial Electrician

### Inter-provincial examinations – Tasks and related number of questions Number of questions on each exam - 100

*Based on 2021 RSOS*

Major Work Activity	Task	Number of Questions
A – PERFORMS COMMON OCCUPATIONAL SKILLS	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
B – INSTALLS AND MAINTAINS GENERATING, TRANSMISSION, DISTRIBUTION AND SERVICE SYSTEMS	Task 7 - Installs and maintains utility and non-utility 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 protection and detection systems	3
	Task 12 - Installs and maintains power generating and conversion systems	2
	Task 13 - Installs and maintains renewable energy generating and energy storage systems	1
	Task 14 - Installs and maintains high-voltage systems	2
	Task 15 - Installs and maintains transformers	3
	C – INSTALLS AND MAINTAINS WIRING SYSTEMS	Task 16 - Installs and maintains raceways, cables, conductors and enclosures
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
D – INSTALLS AND MAINTAINS ROTATING AND OTHER FIXED EQUIPMENT AND CONTROL SYSTEMS	Task 22 - Installs and maintains motor starters and control devices	7
	Task 23 - Installs and maintains drives	5
	Task 24 - Installs and maintains other fixed equipment and associated controls	3
	Task 25 - Installs and maintains motors	6
E – INSTALLS AND MAINTAINS SIGNALLING AND COMMUNICATION SYSTEMS	Task 26 - Installs and maintains signalling systems	4
	Task 27 - Installs and maintains communication systems	3
	Task 28 - Installs and maintains building automation systems	3
F – INSTALLS AND MAINTAINS PROCESS CONTROL SYSTEMS	Task 29 - Installs and maintains input/output (I/O) devices	8
	Task 30 - Installs, programs and maintains automated control systems	6
	Task 31 - Installs and maintains pneumatic and hydraulic control systems	3
		<b>100</b>