



Industrial Electrician

Inter-provincial examinations – Tasks and related number of questions

Based on 2016 RSOS

Major Work Activity	Task	Number of Questions
A - PERFORMS COMMON OCCUPATIONAL SKILLS	Task 1 - Performs safety-related functions Task 2 - Uses tools and equipment Task 3 - Organizes work Task 4 - Fabricates and installs support components Task 5 - Commissions and decommissions electrical systems Task 6 - Uses communication and mentoring techniques	10
B - INSTALLS AND MAINTAINS GENERATING, DISTRIBUTION AND SERVICE SYSTEMS	Task 7 - Installs and maintains consumer/supply services and metering equipment Task 8 - Installs and maintains protection devices Task 9 - Installs and maintains low voltage distribution systems Task 10 - Installs and maintains power conditioning systems Task 11 - Installs and maintains bonding, grounding and ground fault detection systems Task 12 - Installs and maintains power generating systems Task 13 - Installs and maintains renewable energy generating and storage systems Task 14 - Installs and maintains high voltage systems Task 15 - Installs and maintains transformers	25
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 Task 18 - Installs and maintains heating, ventilation and air-conditioning (HVAC) electrical components Task 19 - Installs and maintains electric heating systems and controls Task 20 - Installs and maintains exit and emergency lighting systems Task 21 - Installs and maintains cathodic protection systems	19
D - INSTALLS AND MAINTAINS ROTATING AND NON-ROTATING EQUIPMENT AND CONTROL SYSTEMS	Task 22 - Installs and maintains motor starters and control devices Task 23 - Installs and maintains drives Task 24 - Installs and maintains non-rotating equipment and associated controls Task 25 - Installs and maintains motors	18
E - INSTALLS AND MAINTAINS SIGNALLING AND COMMUNICATION SYSTEMS	Task 26 - Installs and maintains signalling systems Task 27 - Installs and maintains communication systems Task 28 - Installs and maintains building automation systems	9
F - INSTALLS AND MAINTAINS PROCESS CONTROL SYSTEMS	Task 29 - Installs and maintains input/output (I/O) devices Task 30 - Installs, programs and maintains automated control systems Task 31 - Installs and maintains pneumatic and hydraulic control systems	19
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