



Instrumentation and Control Technician

Inter-provincial examinations – Tasks and related number of questions

Number of questions on each exam – 120

Block	Task	Number of Questions
Section 1- Occupational Skills	Task 1 – Maintain tools and equipment Task 2 – Organize work Task 3 – Perform routine trade activities	3 3 5 11
Section 2 – Measuring & Indicating Devices	Task 4 – Services pressure, temperature, level and flow measuring and indicating advices Task 5 – Services motion, speed, position and vibration measuring and indicating devices Task 6 – Services mass, density and consistency measuring and indicating devices	19 6 5 30
Section 3 – Analyzers, Safety Systems and Security Systems	Task 7 – Services analyzers Task 8 – Services safety systems and Security systems	9 4 13
Section 4 – Energy Systems	Task 9 – Services hydraulic equipment Task 10 – Services pneumatic equipment Task 11 – Services electrical and electronic equipment	4 5 1 10
Section 5 – Final Control Elements	Task 12 – Services valves Task 13 – Services actuators Task 14 – Services positioners	7 8 8 23
Section 6 – Communications, Networking & Signal Transmission	Task 15 – Services signal transmission systems Task 16 – Services signal converters Task 17 – Services Supervisory Control and Data Acquisition (SCADA) systems	4 5 4 13
Section 7 – Control Systems	Task 18 – Implements process control strategies Task 19 – Services stand-alone controllers Task 20 – Services programmable logic controllers (PLCs) Task 21 – Services distributed control systems (DCSs) Task 22 – Services human machine Interface (HMI)	3 3 5 5 4 20