

31/06/10/10 (BYO-1) Theory

Instrument Technician

**Interprovincial
Qualification**

COUNSELLING INFORMATION

120 TOTAL QUESTIONS

Number of Questions

SECTION 1 OCCUPATIONAL SKILLS 11

Task 1	Maintains tools and equipment.	3
Task 2	Organizes work.	3
Task 3	Performs routine trade activities.	5

SECTION 2 MEASURING AND INDICATING DEVICES 30

Task 4	Services pressure, temperature, level and flow measuring and indicating devices.	19
Task 5	Services motion, speed, position and vibration measuring and indicating devices.	6
Task 6	Services mass, density and consistency measuring and indicating devices.	5

SECTION 3 ANALYZERS, SAFETY SYSTEMS AND SECURITY SYSTEMS 13

Task 7	Services analyzers.	9
Task 8	Services safety systems and security systems.	4

SECTION 4 ENERGY SYSTEMS 10

Task 9	Services hydraulic equipment.	4
Task 10	Services pneumatic equipment.	5
Task 11	Services electrical and electronic equipment.	1

SECTION 5 FINAL CONTROL ELEMENTS	23
Task 12 Services valves.	7
Task 13 Services actuators.	8
Task 14 Services positioners.	8
SECTION 6 COMMUNICATIONS, NETWORKING AND SIGNAL TRANSMISSION	13
Task 15 Services signal transmission systems.	4
Task 16 Services signal converters.	5
Task 17 Services Supervisory Control and Data Acquisition (SCADA) systems.	4
SECTION 7 CONTROL SYSTEMS	20
Task 18 Implements process control strategies.	3
Task 19 Services stand-alone controllers.	3
Task 20 Services programmable logic controllers (PLCs).	5
Task 21 Services distributed control systems (DCSs).	5
Task 22 Services human machine interface (HMI).	4

TIME ALLOWED 4 HOURS

PASS MARK 70%

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