

31/06/15/10 (DRB-1) Theory

Instrument Technician

**Interprovincial
Qualification**

COUNSELLING INFORMATION

125 TOTAL QUESTIONS

Number of Questions

SECTION 1	COMMON OCCUPATIONAL SKILLS	7
Task 1	Performs safety-related functions.	2
Task 2	Organizes work.	2
Task 3	Performs routine trade activities.	3
SECTION 2	PROCESS MEASURING AND INDICATING DEVICES	35
Task 4	Installs and services pressure, temperature, level and flow devices.	14
Task 5	Installs and services motion, speed, position and vibration devices.	5
Task 6	Installs and services mass, density and consistency devices.	5
Task 7	Installs and services process analyzers.	7
Task 8	Installs and services multiple variable computing devices.	4
SECTION 3	SAFETY AND SECURITY SYSTEMS AND DEVICES	9
Task 9	Installs and services safety systems and devices.	4
Task 10	Installs and services facility security systems. (NOT COMMON CORE)	0
Task 11	Installs and services safety instrumented systems (SISs).	5

SECTION 4	HYDRAULIC, PNEUMATIC AND ELECTRICAL SYSTEMS	10
Task 12	Installs and services control devices for hydraulic systems.	2
Task 13	Installs and services pneumatic equipment.	4
Task 14	Installs and services electrical and electronic equipment.	4
SECTION 5	FINAL CONTROL DEVICES	24
Task 15	Installs and services valves.	7
Task 16	Installs and services actuators.	7
Task 17	Installs and services positioners.	7
Task 18	Configures and services variable speed drives (VSDs).	3
SECTION 6	COMMUNICATION SYSTEMS AND DEVICES	14
Task 19	Installs and services control network systems.	5
Task 20	Installs and services signal converters.	6
Task 21	Installs and services gateways, bridges and media converters.	3
SECTION 7	CONTROL SYSTEMS AND PROCESS CONTROL	26
Task 22	Establishes and optimizes process control strategies.	6
Task 23	Installs and services stand-alone controllers (SACs).	3
Task 24	Installs and services programmable logic controllers (PLCs).	6
Task 25	Installs and services distributed control systems (DCSs).	5
Task 26	Installs and services human machine interfaces (HMIs).	3
Task 27	Installs and services Supervisory Control and Data Acquisition (SCADA) systems.	3

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.