

**31/06/15/20 (DRC-1) Theory**

Instrument Technician

**Interprovincial  
Qualification**

**COUNSELLING INFORMATION**

125 TOTAL QUESTIONS

Number of Questions

<b>SECTION 1</b>	<b>COMMON OCCUPATIONAL SKILLS</b>	<b>7</b>
Task 1	Performs safety-related functions.	2
Task 2	Organizes work.	2
Task 3	Performs routine trade activities.	3
<b>SECTION 2</b>	<b>PROCESS MEASURING AND INDICATING DEVICES</b>	<b>35</b>
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
<b>SECTION 3</b>	<b>SAFETY AND SECURITY SYSTEMS AND DEVICES</b>	<b>9</b>
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

<b>SECTION 4</b>	<b>HYDRAULIC, PNEUMATIC AND ELECTRICAL SYSTEMS</b>	<b>10</b>
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
<b>SECTION 5</b>	<b>FINAL CONTROL DEVICES</b>	<b>24</b>
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
<b>SECTION 6</b>	<b>COMMUNICATION SYSTEMS AND DEVICES</b>	<b>14</b>
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
<b>SECTION 7</b>	<b>CONTROL SYSTEMS AND PROCESS CONTROL</b>	<b>26</b>
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.