Instrumentation and Control Technician

Inter-provincial examinations – Tasks and related number of questions
Number of questions on each exam - 125

Based on 2020 RSOS

Major Work Activity	Task	Number of Questions
A – PERFORMS COMMON OCCUPATIONAL SKILLS		**12**
	Task 1 - Performs safety-related functions	3
	Task 2 - Uses tools and equipment	4
	Task 3 - Organizes work	3
	Task 4 - Uses communication and mentoring techniques	2
B – INSTALLS AND SERVICES PROCESS MEASURING AND INDICATING DEVICES		**30**
	Task 5 - Installs and services pressure, temperature, level and flow devices	9
	Task 6 - Installs and services signal transducers	4
	Task 7 - Installs and services motion, speed, position and vibration devices	4
	Task 8 - Installs and services mass, density and consistency devices	4
	Task 9 - Installs and services process analyzers	5
	Task 10 - Installs and services multiple variable computing devices	4
C – INSTALLS AND SERVICES SAFETY AND SECURITY SYSTEMS AND DEVICES		**11**
	Task 11 - Installs and services safety systems and devices	6
	Task 12 - Installs and services facility security systems (Not Common Core)	0
	Task 13 - Installs and services safety instrumented systems (SIS)	5
D – INSTALLS AND SERVICES HYDRAULIC, PNEUMATIC AND ELECTRICAL SYSTEMS		**14**
	Task 14 - Installs and services control devices for hydraulic systems	3
	Task 15 - Installs and services pneumatic equipment	5
	Task 16 - Installs and services electrical and electronic equipment	6
E – INSTALLS, CONFIGURES AND SERVICES FINAL CONTROL ELEMENTS		**25**
	Task 17 - Installs and services valves	6
	Task 18 - Installs and services actuators	7
	Task 19 - Installs and services positioners	8
	Task 20 - Configures and services variable seed drives (VSD)	4
F – INSTALLS AND SERVICES COMMUNICATION SYSTEMS AND DEVICES		**12**
	Task 21 - Installs and services control network systems	5
	Task 22 - Installs and services signal converters	4
	Task 23 - Installs and services gateways, bridges and media converters	3
G – INSTALLS AND SERVICES CONTROL SYSTEMS AND PROCESS CONTROL		**21**
	Task 24 - Establishes and optimizes process control strategies	5
	Task 25 - Installs and services stand-alone controllers (SAC)	2
	Task 26 - Installs and services programmable logic controllers (PLC)	5
	Task 27 - Installs and services distributed control systems (DCS)	4
	Task 28 - Installs and services human machine interface (HMI)	3
	Task 29 - Installs and services supervisory control and data acquisition (SCADA) systems	2
		125