

### **PLC200 Module 1, Knowledge Outcomes for the KAA**

The purpose of this document is to focus on the knowledge outcomes that were used to create the test questions in the KAA, in order for the student to best utilize their time to prepare for the assessment.

- 1.Explain the different processor modes (Run, Program & Test) and how they affect the operation of the PLC.
- 2.Explain what turns on the status indicator light on discrete input and output modules.
- 3.Identify the two most common control voltages found on industrial machinery in the US.
- 4.Explain the purpose and operation of the keyswitch on an SLC-500 modular processor.
- 5.Determine if a relay instruction in an SLC-500 program should be highlighted based on the type of instruction and the status of the data in the PLC address.
- 6.Explain what highlight means on a relay type of PLC instruction.
- 7.Interpret the Allen Bradley SLC-500 processor status indicators when troubleshooting.
- 8.Interpret the I/O addressing for a modular SLC-500 system, and a Micrologix fixed system.
- 9.Explain the correlation between the memory size of a PLC and the size of the PLC program.
- 10.Interpret the communication ports on the SLC-500 modular processor, and their channel numbers.
- 11.Explain the purpose of the PLC power supply.
- 12.Explain the different methods of data communication between the SLC-500 processor and the program panel.
- 13.Explain the scan sequence of a PLC system.
- 14.Explain the process of setting up a serial driver in RSLinx.
- 15.Interpret the RSLinx menus and view screens.
- 16.Explain what the term baud rate means when dealing with data communications.

17. Explain the procedure to setup a Smart Cable (USB to RS-232) for a program panel.
18. Identify the ports on a laptop computer that will be used as a program panel.

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