EET2440 Module 2, 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.

It is important to understand that the test questions were created from the information from the PPT/PDF file for module 2, the videos created for module 2 and the lab exercises used in Module 2.

1. Explain the differences between online and offline with RSLogix 500, and where the information on the screen is sourced from.

2. Explain the terms download and upload when working with RSLogix 500, as well as what information is downloaded

3. Know that the RSLogix 500 project is stored in a .RSS file

4. Explain what the I/O configuration is and the reason that it is downloaded into the processor.

5. Explain how to configure Channel 1 of the SLC-500 processor on a 5/04 and 5/05

6. Identify the XIC, XIO, OTE, OTL and OTU instructions in a ladder logic program and when they will highlight

7. Explain how the OTL and OTU instructions work together in the ladder logic program

8. Correlate the state of an input/output indicator on a PLC discrete module to the state of the bits in the SLC-500 memory

9. Determine which instructions have highlight in a PLC program based on the status of the indicators on a discrete PLC input module

10. Explain the purpose of the different positions of the processor key switch

11. Explain the purpose of a battery in a PLC processor

12. Explain how to replace the battery in an SLC-500 processor

13. Explain how to reset the memory of an SLC-500 processor back to factory default

14. Explain how the discrete outputs on an SLC-500 is affected by the processor being in the Run and Program modes

15. Explain what communications would transmit on channels 0 and 1 on and SLC-5/04 and SLC-5/05 processors

16. Find information about processor and I/O modules at the ab.com website

17. Interpret the wiring terminal diagrams for SLC-500 discrete I/o modules

18. Interpret the PLC I/O address in an SLC-500 system

19. Explain the difference between program and data files within the SLC-500 processor, and what types of data is stored in each

20. Explain what information is stored in data files 0-7 in an SLC-500 processor

21. Explain how multiple program files in the SLC-500 processor are scanned