Title: **Decimal to Binary Conversion** Worksheet: 2

Course: Introduction to Automation Unit: Introduction to PLC CLO: 4

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**

1. Student shall calculate a binary number given its equivalent value in decimal form.

**Assessment**

Students shall demonstrate a comprehension of the objectives listed above by scoring a minimum of 75% on this Worksheet. Grading shall be based on the answer key.

**Instructions**

Convert the following decimal numbers to their binary equivalents.

1. 3710 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
2. 1210 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
3. 5410 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
4. 310 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
5. 12610 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
6. 1610 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
7. 8710 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
8. 1010 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
9. 10110 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2
10. 21110 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2

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