**Test 2 - Devices**

**1. What is the difference between a digital and analog sensor?**

1. What they measure
2. How they measure
3. How they output
4. Their signal strength

**2. What is the advantage of a digital sensor?**

1. No ADC
2. Fast interpreting
3. Signal clarity
4. Frequency readings

**3. What is not a limiting factor of processors?**

1. Physical components
2. Heat
3. Clock speed
4. Power

**4. What does a clock in a processor do?**

1. Turns on and off
2. Controls a processor
3. Manages heat of a processor
4. Keeps track of time

**5. What are speed controllers used for?**

1. Processor clocks
2. Motor speed
3. Signal decouplers
4. Power adjustment

**6. What makes relays different from speed controllers?**

1. Ability to turn on and off
2. Ability to adjust voltage
3. Mechanical components
4. Faster adjustment

**7. What is an internal feedback loop?**

1. Loop using output as an input
2. Loop using only processor
3. Loop using no input
4. Loop without control

**8. What does a breakout board do?**

1. Separates large input into smaller single outputs
2. Separates analog from digital signals
3. Combines multiple inputs into one
4. Converts digital to analog signals

**9. What is a device that uses DAC?**

1. Keyboard
2. Speakers
3. Scroll wheel
4. Potentiometer

**10. What is the main advantage of ADCs?**

1. Increases speed
2. More accurate
3. Easier to read
4. Takes load off processor