

QUESTION 1

1 points **Save Answer**

Microcontrollers contain which of the following circuits within their IC:

- Microprocessor
- Flash and RAM
- I/O interfacing
- All of the above

QUESTION 2

1 points **Save Answer**

The ATmega328P microcontrollers contain the following memory:

- Flash memory
- EEPROM
- RAM
- Flash and RAM
- All of the above

QUESTION 3

1 points **Save Answer**

Generating a simulated analog output is achieved by the digital output of the Arduino Uno board through the process of:

- Analog output
- AREF
- Pulse width modulation (PWM)
- SDA

QUESTION 4

1 points **Save Answer**

The analog inputs from sensors, potentiometers, and buttons are

- Peripheral Interface circuit
- USART circuit
- ADC circuit
- PWM circuit

QUESTION 5

1 points**Save Answer**

The If and IF else are a pair of commands in the Arduino Processing language that handle:

- Settings given by the user
- Conditions from the input circuits
- Output results of the processor
- All of the above

QUESTION 6

4 points**Save Answer**

The voltage divider network circuit aids in what main purpose in input and output circuits:

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Arial ▼ 3 (12pt) ▼

QUESTION 7

5 points**Save Answer**

The USB port serves 2 potential tasks on the Arduino Uno:

QUESTION 8

1 points

Save Answer

When the reset button on the Arduino board is pressed, what memory is erased?

- All variables and results (RAM)
- Sketches (flash memory)
- EEPROM
- RAM and flash memory
- All memory

QUESTION 9

5 points

Save Answer

If the 9V battery is needed to power the dc motor in Week 4 lab, why is it connected to Vcc2 on the 54410 H-Bridge IC directly?

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QUESTION 10

5 points

Save Answer

Explain three main parts of the Arduino sketch program. Detail what role each part of the programs play?

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Click Save and Submit to save and submit. Click Save All Answers to save all answers.